DOCUMENT RESUME

ED 359 888 HE 026 585

AUTHOR Morgan, Frank
TITLE Trends in Degrees Conferred by Institutions of Higher Education: 1984-85 through 1990-91. E.D. TABS.
INSTITUTION National Center for Education Statistics (ED), Washington, DC.
REPORT NO ISBN-0-16-041886-0; NCES-93-356
PUB DATE Aug 93
NOTE 67p.
AVAILABLE FROM U.S. Government Printing Office, Superintendent of Documents, Mail Stop: SSOP, Washington, DC 20402-9328.
PUB TYPE Statistical Data (110) -- Reports - Research/Technical (143)

EDRS PRICE MF01/PC03 Plus Postage.
DESCRIPTORS Associate Degrees; Bachelors Degrees; *Degrees (Academic); Doctoral Degrees; *Educational Trends; *Higher Education; Majors (Students); Masters Degrees; Minority Groups; *National Surveys; Professional Education; Sex Differences; Tables (Data); *Trend Analysis
IDENTIFIERS Higher Education General Information Survey; Integrated Postsecondary Education Data System

ABSTRACT

Using two large national survey databases, a study was done of trends in degrees conferred by colleges and universities. The data were gathered from: (1) the Integrated Postsecondary Education Data System (IPEDS) 1986-87 through 1990-91 "Completions" surveys, and the 1990 and 1991 "Consolidated" surveys; and (2) the Higher Education General Information Survey (HEGIS) 1984-85 survey of "Degrees and Other Formal Awards Conferred in Institutions of Higher Education." These surveys collected information on degrees conferred by level of award (associate's, bachelor's, master's, doctor's, first-professional; race, ethnicity, and sex of recipients; and major field of study. The results are displayed in eight tables. Highlights of the study include the following: (1) the number of all degrees awarded in 1990-91 increased by 2.7 percent over the previous year with the greatest increase occurring among Hispanics; (2) degrees awarded to women accounted for 54 percent of the total degrees in 1990-91; (3) computer and information sciences, engineering and related technologies, and theology were the only fields experiencing a decline in bachelor's degrees awarded; and (4) over the 6-year span of the study the number of master's and doctor's degrees had the largest overall percentage increases. Appendixes contain a crosswalk for selected fields and four additional tables. (JB)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED359888

NATIONAL CENTER FOR EDUCATION STATISTICS

E.D. TABS August 1993

Trends in Degrees Conferred by Institutions of Higher Education: 1984–85 through 1990–91

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)
This document has been reproduced as received from the person or organization originating it.
Minor changes have been made to improve reproduction quality.
Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

U.S. Department of Education
Office of Educational Research and Improvement NCES 93-356

HE026 585

2

BEST COPY AVAILABLE

NATIONAL CENTER FOR EDUCATION STATISTICS

E.D. TABS August 1993

Trends in Degrees Conferred by Institutions of Higher Education: 1984–85 through 1990–91

Frank Morgan
Postsecondary Education Statistics Division

U.S. Department of Education
Office of Educational Research and Improvement NCES 93-356

U.S. Department of Education
Richard W. Riley
Secretary

Office of Educational Research and Improvement
Sharon P. Robinson
Assistant Secretary

National Center for Education Statistics
Emerson J. Elliott
Commissioner

National Center for Education Statistics

"The purpose of the Center shall be to collect, analyze, and disseminate statistics and other data related to education in the United States and in other nations."—Section 406(b) of the General Education Provisions Act, as amended (20 U.S.C. 1221e–1).

August 1993

Contact:
Frank B. Morgan
(202) 219–1779

For sale by the U.S. Government Printing Office
Superintendent of Documents, Mail Stop: SSOP, Washington, DC 20402-9328
ISBN 0-16-041886-0

Highlights

- The number of all degrees awarded in 1990-91 increased by just over 50,000, up 2.7 percent over the previous year. The combination of minority and nonresident alien recipients accounted for 43 percent of this increase. Within the minorities, the fastest growing category of degree recipients is Hispanics, which increased more than 9 percent in both 1989-90 and 1990-91 (table 2).

- Degrees awarded to women accounted for 54 percent of the total in 1990-91. The number of women recipients increased 4.4 percent from the previous year, compared with a less than 1 percent increase for men. Even at the doctor's and first-professional levels, the only levels where awards to men outnumber those to women, the rate of increase among women was 2.5 percent and 3.5 percent respectively, while for men there was little change in the number of awards from the previous year (table 1).

- The total number of associate's degrees awarded in 1990-91 increased 2.6 percent over the previous year, with nearly three-fourths of the increase occurring in the interdisciplinary studies field. Associate's degrees in business and management and engineering and related technologies continued to decline, while associate's in health professions, life sciences, public affairs, and law continued the upward trend of the past few years (table 3).

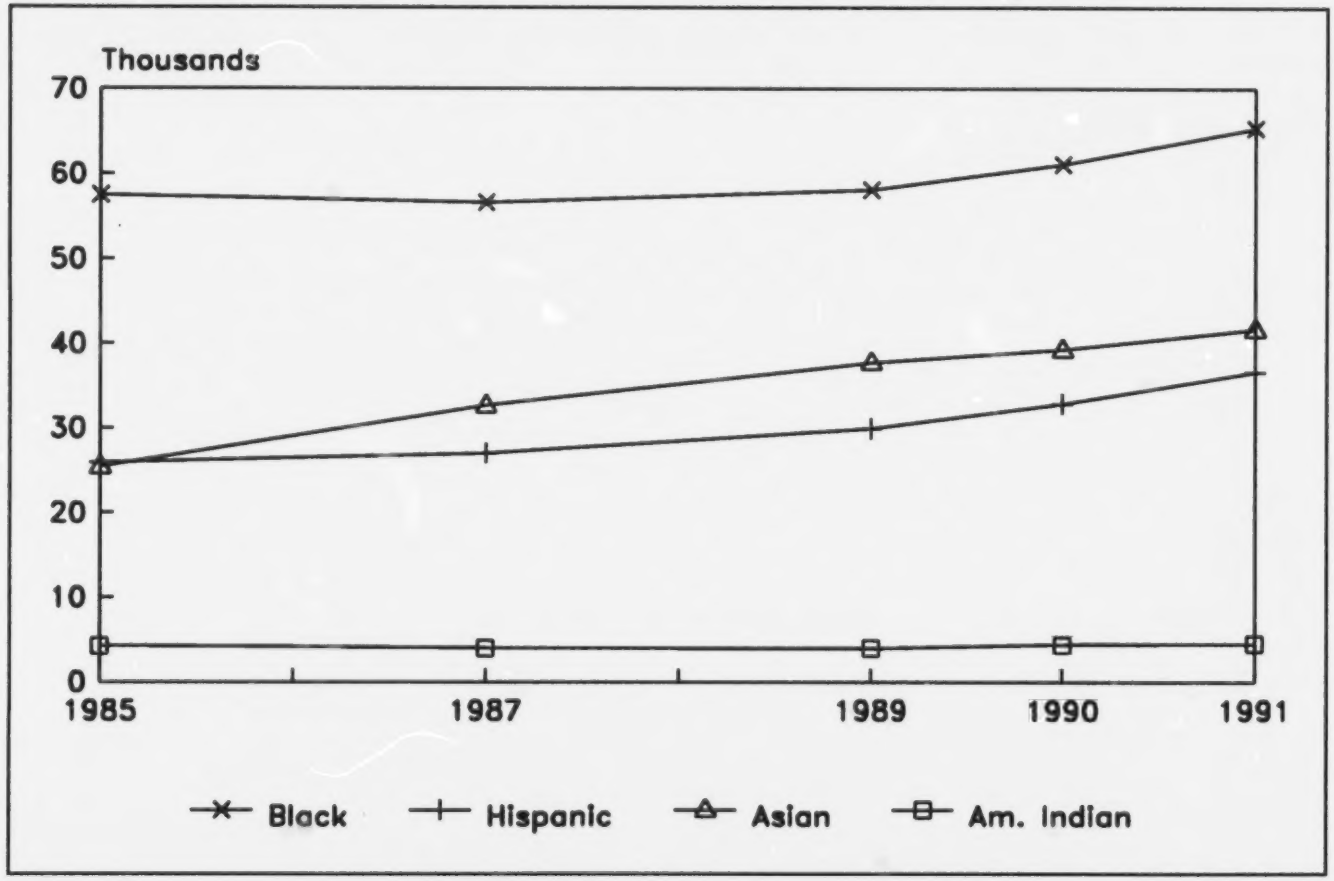
- The number of bachelor's degrees awarded rose another 3 percent in 1990-91, similar to the increase in the 1989-90 award year. The largest gains were in the fields of social sciences, education, letters, and psychology, which increased by roughly 7,000, 5,700, 4,800, and 4,700, respectively. Computer and information sciences, engineering and related technologies, and theology were the only fields experiencing a decline in bachelor's degrees in 1990-91, continuing a general decrease in such awards since the mid-eighties (table 3).

- Over the 6-year span of this report, the number of master's and doctor's degrees had the largest overall percentage increases. Between 1984-85 and 1990-91, the number of master's degrees increased by 17.2 percent, while the number of doctor's degrees showed an increase of 19.3 percent, the largest of any degree level. Approximately 65 percent of the 48,224 increase in master's were awards to white, non-Hispanics; just over 70 percent of the 6,240 increase in doctors can be attributed to nonresident aliens (table 2).

- At the first-professional level, there was virtually no change in the number of awards over the 6-year period; however, while the number of white, non-Hispanics receiving such awards declined (63,219 in 1984-85 to 60,327 in 1990-91), the number in each minority category increased. Asian recipients of first-professional degrees more than doubled (1,816 in 1984-85 to 3,755 in 1990-91), and Hispanic recipients rose from 1,884 to 2,527 (34 percent increase) during the same time period. More than half of all first-professional degrees awarded in 1990-91 were in law (tables 2 and 8).

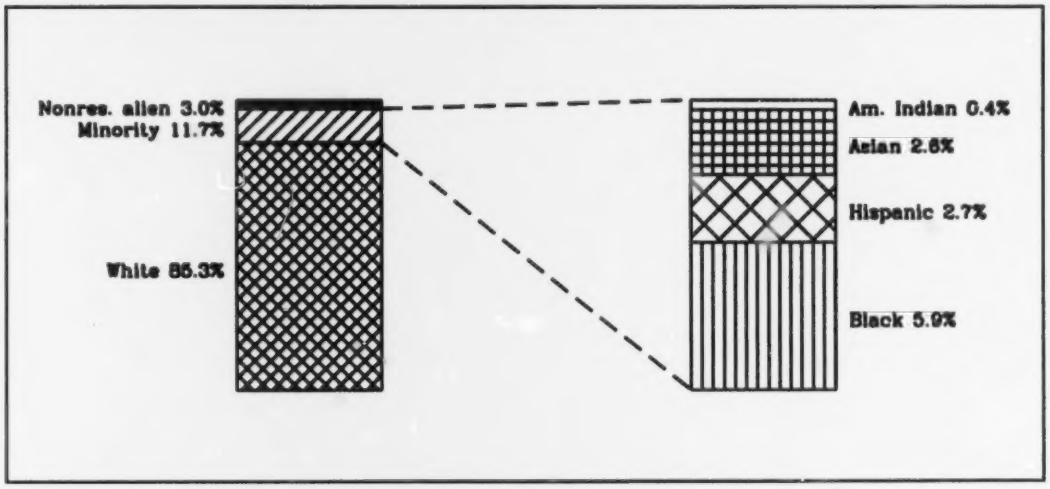
- Some fields of study account for significant portions of total awards to men. For example, 25 percent of all associate's degrees awarded to men in 1990-91 were in engineering and related technologies. This same field of study also accounted for about 14 percent of all bachelor's and master's degrees and 20 percent of all doctor's degrees awarded to men. In the case of women, education accounted for significant percentages of total degrees at three levels of award. For example, about 15 percent of total bachelor's degrees to women were in education. This field also accounted for 39 percent and 27 percent respectively of master's and doctor's degrees awarded to women (tables 4 through 7).

Figure 1.—Number of bachelor's degrees awarded to minorities, 1984-85 through 1990-91



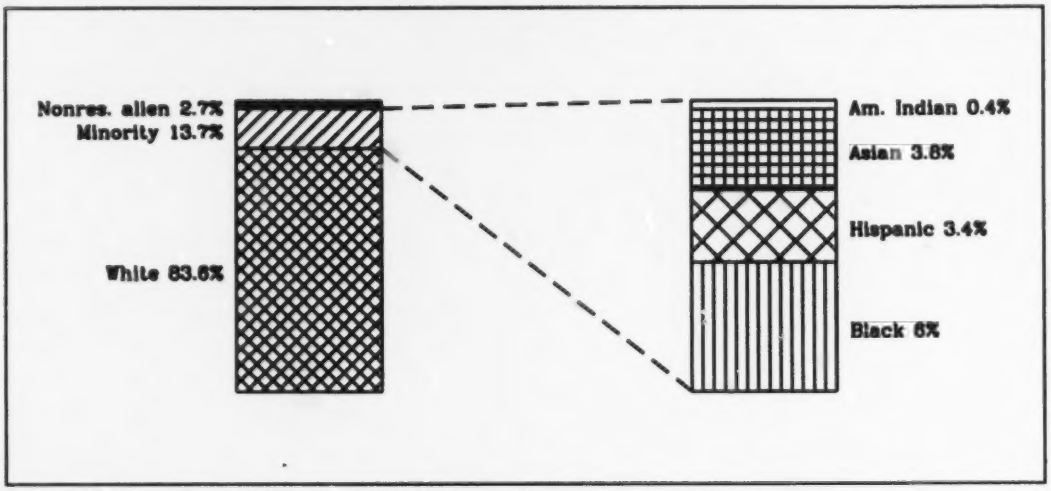
SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," 1984-85; and Integrated Postsecondary Education Data System, "Completions" and "Consolidated" surveys, various years.

Figure 2.—Percentage distribution of all bachelor's degrees and those awarded to minorities, by racial/ethnic category, 1984-85



SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," 1984-85.

Figure 3.—Percentage distribution of all bachelor's degrees and those awarded to minorities, by racial/ethnic category, 1990-91



SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, "Completions" survey 1990-91 and "Consolidated" survey, 1991.

Contents

Highlights ..... *iii*

Figures

1 Number of bachelor's degrees awarded to minorities, 1984-85 through 1990-91 ..... *v*

2 Percentage distribution of all bachelor's degrees and those awarded to minorities, by racial/ethnic category, 1984-85 ..... *vi*

3 Percentage distribution of all bachelor's degrees and those awarded to minorities, by racial/ethnic category, 1990-91 ..... *vi*

Introduction 1

Survey Methodology

Data Sources 1
Scope 2
Editing 2
Imputations 3
Adjustments for Tables in This Report 3

Notes on Tables 4

Acknowledgments 5

Tables

1 Degrees conferred by institutions of higher education and average annual percent change, by level of degree and sex: 50 states and District of Columbia, 1984-85 through 1990-91 7

2 Degrees conferred by institutions of higher education and average annual percent change, by level of degree and race/ethnicity: 50 states and District of Columbia, 1984-85 through 1990-91 8

3 Degrees conferred by institutions of higher education and average annual percent change, by level and field of study: 50 states and District of Columbia, 1984-85 through 1990-91 10

4 Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91 12

5 Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91 16

6 Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91 20

7 Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91 24

8 First-professional degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91 28

Appendices

A Crosswalk of selected fields of study with IPEDS discipline divisions 33

B Degrees conferred by institutions of higher education, by control of institution, level of degree, and state: 50 states and District of Columbia, 1990-91 34

C Degrees conferred by institutions of higher education, by level of degree, sex of recipient and state: 50 states and District of Columbia, 1990-91 35

D Degrees conferred by institutions of higher education, by control of institution, level of degree, and field of study: 50 states and District of Columbia, 1990-91 36

E Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91 37

Introduction

This report presents data on degrees conferred by the nation's accredited higher education institutions over the 6-year period from 1984-85 to 1990-91. The data are from two major sources: (1) the Integrated Postsecondary Education Data System (IPEDS) 1986-87 through 1990-91 "Completions" surveys and 1990 and 1991 "Consolidated" surveys; and (2) the Higher Education General Information Survey (HEGIS) 1984-85 survey of "Degrees and Other Formal Awards Conferred in Institutions of Higher Education." These surveys collected information on degrees conferred by level of award (associate's, bachelor's, master's, doctor's, first-professional), race/ethnicity and sex of recipients, and major field of study.

This report is one of a series of E.D. TABS published by the National Center for Education Statistics (NCES) designed primarily to make data available to the public with minimal analysis. It presents information on institutions of higher education which are accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education. This E.D. TABS is also available on an electronic bulletin board operated by the Office of Educational Research and Improvement. For modem access, call 1-800-222-4922 or (202) 219-2011; for technical questions, call (202) 219-1547.

Survey Methodology

Data Sources

The completions statistics presented in this publication are derived from two data sources. The 1984-85 data were collected from institutions of higher education on the Higher Education General Information Survey (HEGIS), "Degrees and Other Formal Awards Conferred." HEGIS surveys were restricted to institutions of higher education which were accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education. The Integrated Postsecondary Education Data System (IPEDS) continued the biennial collection of racial/ethnic data from institutions of higher education on its "Completions" survey from 1986-87 through 1988-89 and annually thereafter.[1]

Late responses and corrections received too late to be included in the 1989-90 IPEDS "Completions" survey were incorporated into a new data file, which was used for this publication. This resulted in a total increase of 3,581 degrees at all levels. Therefore, some data in this report will differ from previous publications for academic year 1989-90.

Discipline divisions (fields of study) are specified in the Classification of Instructional Programs (CIP) which was developed by the National Center for Education Statistics (NCES)

---

[1] IPEDS also collects completions data from other postsecondary institutions as part of its "Consolidated" (CN) survey. Institutions that responded using the CN survey that became accredited institutions of higher education during the 1990-91 IPEDS processing cycle are included in this E.D. TABS.

and is the federally accepted standard for collecting, reporting, and interpreting education program data. The CIP has been used for classifying degree fields for all years covered in this report.

Scope

The "Completions 1990-91" survey was mailed to 3,922 institutions, either accredited institutions (i.e., those accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education) or those schools that do not have recognized accreditation but award bachelor's, master's, doctor's or first-professional degrees. The C1 survey form was mailed to 2,485 schools offering at least a baccalaureate degree, and the C2 survey form was sent to 1,437 schools offering a degree or certificate requiring less than 4 years. In addition, the "Consolidated" (CN) survey was mailed to 3,223 other postsecondary schools offering degrees or awards ranging from less than 1 year to post-master's certificates.

Data included in this report are for the 3,564 institutions of higher education, located within the 50 states and the District of Columbia that were identified on the 1991 IPEDS universe file. These institutions are accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education. Formerly known as HEGIS institutions, they are surveyed on a census basis, and their response rate has historically remained high. Their overall response rate for the 1990-91 completions data was 93.6 percent.

The overall response rate was calculated as the ratio of the number of completed survey forms divided by the number of in-scope schools (i.e., the number mailed minus the number determined to be out-of-scope). Any institution was considered a respondent if it supplied total awards by sex.

Editing

During editing, all forms were checked for CIP code validity and addition errors. Total lines were generated and compared to the reported totals for each two-digit discipline division. Any differences which appeared to be larger than a simple arithmetic error were referred to the institution in an attempt to resolve the discrepancy. Other differences were resolved by replacing the reported total with the generated total and setting a corresponding imputation flag. Racial/ethnic data were checked in a similar way, i.e., totals were generated and compared with the reported total. However, when differences of this type occurred, "balance" records were generated so that the sum of racial/ethnic details always agreed with the reported total.

Selected data for each institution were also checked for consistency with the prior year's response, when available. These comparisons were made by award level at the two-digit discipline division and by award level and sex at the institution total. Similar comparisons were made for racial/ethnic data; totals were computed for each institution, by award level and race/ethnicity. Totals for selected award levels (associate's, bachelor's, master's,

doctor's, and first-professional) were compared with the prior year's data, and inconsistencies were verified with the institution.

Imputations

Two levels of imputations were performed for the higher education institutions covered in this report. The first level concerned total nonrespondents to the 1990-91 survey (6.4 percent of the institutions). In these cases, the institution's previous year's survey response was used when available. If the previous year's response was not available, an attempt was made to impute limited data using other IPEDS survey responses submitted by the institution. Only two institutions were left unimputed; both were private for-profit 2-year institutions.

The second level of imputations dealt with partial nonresponse, specifically cases where awards were reported by field of study, but no racial/ethnic data were reported. If the institution had reported racial/ethnic data for the same field of study in the previous year, the same ratios among the racial/ethnic categories were applied to the current year's data. If the particular field of study was not reported the previous year, the racial/ethnic ratios at the institutional total were used to calculate racial/ethnic distribution. If neither of these methods could be used, the racial/ethnic data were imputed as a "balance."

When any of these imputation methods were applied, an indicator flag was set on the data file to identify schools that have any imputed data. The table below indicates the percentage of imputed data on the file, by award level and racial/ethnic category.

	Associate's	Bachelor's	Master's	Doctor's	First-professional
White, non-Hispanic	3.9	2.4	2.7	7.5	3.6
Black, non-Hispanic	6.3	2.5	2.4	4.1	6.1
Hispanic	5.5	6.5	5.4	15.9	10.5
Asian or Pacific Islander	4.3	14.9	7.1	12.7	12.1
American Indian/Alaskan Native	5.3	5.0	4.1	11.0	8.4
Nonresident alien	4.5	2.8	4.6	7.8	4.6

Adjustments for Tables in This Report

In order to maintain comparability across the span of this report, further adjustments to racial/ethnic counts were made. First, any institution with data in the "balance" line (see Editing) was adjusted. The "balance" figures (computed as the difference between the reported total and the sum of reported racial/ethnic categories) were proportionately distributed among the known counts by racial/ethnic category within the two-digit program area. The number of awards distributed in this manner were 1,945 associate's degrees; 1,316 bachelor's degrees; 337 master's degrees; 1 doctor's degree; and no first-professional degrees.

Beginning in 1989-90, IPEDS began to collect data using an additional racial/ethnic category, "Race/ethnicity unknown." This category is used only if the student does not select a racial/ethnic designation and the institution finds it impossible to place the student into one of the other categories during established enrollment procedures or in any post-enrollment identification or verification process. Since this category was not included in earlier years, these data were also distributed among the racial/ethnic categories by two-digit program area. However, since the "Race/ethnicity unknown" category is restricted to U.S. citizens and resident aliens, this distribution excluded allocation to the "Non-resident alien" category. The number of awards distributed in this manner were 12,214 associate's degrees; 23,657 bachelor's degrees; 14,685 master's degrees; 1,001 doctor's degrees; and 1,089 first-professional degrees.

The table below indicates the percentage of the total number of awards appearing in tables 1 through 8 of this report that resulted from these adjustments.

	Associate's	Bachelor's	Master's	Doctor's	First-professional
White, non-Hispanic	3.2	2.4	5.4	3.6	1.6
Black, non-Hispanic	3.3	2.4	5.3	3.4	1.5
Hispanic	3.3	2.5	5.4	3.4	1.8
Asian or Pacific Islander	3.4	2.5	5.7	3.7	1.8
American Indian/Alaskan Native	3.3	2.3	4.9	1.0	1.2
Nonresident alien	0.4	0.1	0.1	0.1	0.0

Notes on Tables

In addition to the race/ethnicity trend tables, this report includes four appendices, limited to academic year 1990-91. These appendices provide more detailed summaries of degrees awarded by selected characteristics.

Some institutions did not report the field of study for award recipients. These data (19,690 associate's; 13,258 bachelor's; 8,523 master's; 747 doctor's; and 433 first-professional degrees) are not included in the trend comparisons. Thus, the numbers in Tables 1 through 8 are slight undercounts of actual awards at these degree levels. The tables in the appendices include the completions reported without field of study.

Certain aggregations of the discipline division fields as reported in the IPEDS Completions survey have been made for the tables showing field of study. Appendix A will allow users to determine which discipline divisions are included in those fields of study; fields of study not listed are identical to the IPEDS discipline division.

In analyzing data by fields of study, users must remember that the data represent programs, not schools, colleges, or divisions (SCDs) within institutions. For example, some institutions might have a few computer and information science programs organized and taught within a business school. However, for IPEDS reporting purposes, the degrees are classified and counted within the computer and information science discipline division. Therefore, the data represent programs, not organizational units within institutions.

Acknowledgments

The author is grateful to Charles Andersen, American Council on Education; Enid Jones, American Association of Community Colleges; Susan Hill, National Science Foundation; Vance Grant, Office of Educational Research and Improvement, Publication Information Division; and Judith Carpenter and Charlene Hoffman of the National Center for Education Statistics for their valuable comments during the review of this publication.

Table 1.--Degrees conferred by institutions of higher education and average annual percent change, by level of degree and sex: 50 states and District of Columbia, 1984–85 through 1990–91

Level of degree and sex	Year of award										Average annual percent change			
	1984–85		1986–87		1988–89		1989–90		1990–91		1984–85 to 1986–87	1986–87 to 1988–89	1988–89 to 1989–90	1989–90 to 1990–91
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent				
Total	1,781,911	100.0	1,822,550	100.0	1,864,779	100.0	1,930,216	100.0	1,982,017	100.0	1.1	1.2	3.5	2.7
Men	874,771	49.1	881,457	48.4	882,424	47.3	899,900	46.6	906,375	45.7	0.4	0.1	2.0	0.7
Women	907,140	50.9	941,093	51.6	982,355	52.7	1,030,316	53.4	1,075,642	54.3	1.9	2.2	4.9	4.4
Associate's	429,815	100.0	436,299	100.0	432,144	100.0	450,263	100.0	462,030	100.0	0.8	−0.5	4.2	2.6
Men	190,409	44.3	190,832	43.7	183,963	42.6	188,631	41.9	190,221	41.2	0.1	−1.8	2.5	0.8
Women	239,406	55.7	245,467	56.3	248,181	57.4	261,632	58.1	271,809	58.8	1.3	0.6	5.4	3.9
Bachelor's	968,311	100.0	991,260	100.0	1,016,350	100.0	1,048,631	100.0	1,081,280	100.0	1.2	1.3	3.2	3.1
Men	476,148	49.2	480,780	48.5	481,946	47.4	490,317	46.8	496,424	45.9	0.5	0.1	1.7	1.2
Women	492,163	50.8	510,480	51.5	534,404	52.6	558,314	53.2	584,856	54.1	1.8	2.3	4.5	4.8
Master's	280,421	100.0	289,341	100.0	309,770	100.0	322,465	100.0	328,645	100.0	1.6	3.5	4.1	1.9
Men	139,417	49.7	141,264	48.8	148,872	48.1	152,926	47.4	151,796	46.2	0.7	2.7	2.7	−0.7
Women	141,004	50.3	148,077	51.2	160,898	51.9	169,539	52.6	176,849	53.8	2.5	4.2	5.4	4.3
Doctor's	32,307	100.0	34,033	100.0	35,659	100.0	38,113	100.0	38,547	100.0	2.6	2.4	6.9	1.1
Men	21,296	65.9	22,059	64.8	22,597	63.4	24,248	63.6	24,333	63.1	1.8	1.2	7.3	0.4
Women	11,011	34.1	11,974	35.2	13,062	36.6	13,865	36.4	14,214	36.9	4.3	4.4	6.1	2.5
First-professional	71,057	100.0	71,617	100.0	70,856	100.0	70,744	100.0	71,515	100.0	0.4	−0.5	−0.2	1.1
Men	47,501	66.8	46,522	65.0	45,046	63.6	43,778	61.9	43,601	61.0	−1.0	−1.6	−2.8	−0.4
Women	23,556	33.2	25,095	35.0	25,810	36.4	26,966	38.1	27,914	39.0	3.2	1.4	4.5	3.5

NOTE: Data for 1984–85 exclude awards to persons whose race/ethnicity could not be imputed. Data for 1989–90 have been revised from previously published figures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," 1984–85; and Integrated Postsecondary Education Data System, "Completions" and "Consolidated" surveys, various years.

Table 2.--Degrees conferred by institutions of higher education and average annual percent change, by level of degree and race/ethnicity: 50 states and District of Columbia, 1984-85 through 1990-91

Level of degree and race/ethnicity	Year of award										Average annual percent change			
	1984-85		1986-87		1988-89		1989-90		1990-91					
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	1984-85 to 1986-87	1986-87 to 1988-89	1988-89 to 1989-90	1989-90 to 1990-91
Total	1,781,911	100.0	1,822,550	100.0	1,864,779	100.0	1,930,216	100.0	1,982,017	100.0	1.1	1.2	3.5	2.7
White, non-Hispanic	1,492,230	83.7	1,519,632	83.4	1,543,364	82.8	1,591,727	82.5	1,621,071	81.8	0.9	0.8	3.1	1.8
Black, non-Hispanic	111,386	6.3	110,359	6.1	111,096	6.0	116,414	6.0	123,920	6.3	-0.5	0.3	4.8	6.4
Hispanic	54,706	3.1	56,180	3.1	60,470	3.2	66,231	3.4	72,508	3.7	1.3	3.7	9.5	9.5
Asian or Pacific Islander	46,013	2.6	56,337	3.1	64,853	3.5	67,900	3.5	71,744	3.6	10.7	7.3	4.7	5.7
American Indian/Alaskan Native	8,822	0.5	8,679	0.5	8,724	0.5	9,378	0.5	9,687	0.5	-0.8	0.3	7.5	3.3
Nonresident alien	68,754	3.9	71,363	3.9	76,272	4.1	78,566	4.1	83,087	4.2	1.9	3.4	3.0	5.8
Associate's	429,815	100.0	436,299	100.0	432,144	100.0	450,263	100.0	462,030	100.0	0.8	-0.5	4.2	2.6
White, non-Hispanic	355,343	82.7	361,819	82.9	354,813	82.1	369,546	82.1	376,069	81.4	0.9	-1.0	4.2	1.8
Black, non-Hispanic	35,791	8.3	35,457	8.1	34,722	8.0	35,341	7.8	37,659	8.2	-0.5	-1.0	1.8	6.6
Hispanic	19,407	4.5	19,345	4.4	20,381	4.7	22,216	4.9	24,255	5.2	-0.2	2.6	9.0	9.2
Asian or Pacific Islander	9,914	2.3	11,794	2.7	12,531	2.9	13,478	3.0	13,729	3.0	9.1	3.1	7.6	1.9
American Indian/Alaskan Native	2,953	0.7	3,196	0.7	3,335	0.8	3,530	0.8	3,675	0.8	4.0	2.2	5.8	4.1
Nonresident alien	6,407	1.5	4,688	1.1	6,362	1.5	6,152	1.4	6,643	1.4	-14.5	16.5	-3.3	8.0
Bachelor's	968,311	100.0	991,260	100.0	1,016,350	100.0	1,048,631	100.0	1,081,280	100.0	1.2	1.3	3.2	3.1
White, non-Hispanic	826,106	85.3	841,820	84.9	859,699	84.6	884,372	84.3	904,061	83.6	0.9	1.1	2.9	2.2
Black, non-Hispanic	57,473	5.9	56,555	5.7	58,065	5.7	61,065	5.8	65,338	6.0	-0.8	1.3	5.2	7.0
Hispanic	25,874	2.7	26,990	2.7	29,910	2.9	32,846	3.1	36,612	3.4	2.1	5.3	9.8	11.5
Asian or Pacific Islander	25,395	2.6	32,618	3.3	37,686	3.7	39,247	3.7	41,622	3.8	13.3	7.5	4.1	6.1
American Indian/Alaskan Native	4,246	0.4	3,971	0.4	3,954	0.4	4,393	0.4	4,513	0.4	-3.3	-0.2	11.1	2.7
Nonresident alien	29,217	3.0	29,306	3.0	27,036	2.7	26,708	2.5	29,134	2.7	0.2	-4.0	-1.2	9.1
Master's	280,421	100.0	289,341	100.0	309,770	100.0	322,465	100.0	328,645	100.0	1.6	3.5	4.1	1.9
White, non-Hispanic	223,628	79.7	228,870	79.1	242,756	78.4	251,689	78.1	255,286	77.7	1.2	3.0	3.7	1.4
Black, non-Hispanic	13,939	5.0	13,867	4.8	14,096	4.6	15,446	4.8	16,136	4.9	-0.3	0.8	9.6	4.5
Hispanic	6,864	2.4	7,044	2.4	7,282	2.4	7,954	2.5	8,382	2.6	1.3	1.7	9.2	5.4
Asian or Pacific Islander	7,782	2.8	8,558	3.0	10,336	3.3	10,578	3.3	11,180	3.4	4.9	9.9	2.3	5.7
American Indian/Alaskan Native	1,256	0.4	1,104	0.4	1,086	0.4	1,099	0.3	1,136	0.3	-6.2	-0.8	1.2	3.4
Nonresident alien	26,952	9.6	29,898	10.3	34,214	11.0	35,699	11.1	36,525	11.1	5.3	7.0	4.3	2.3

Table 2.--Degrees conferred by institutions of higher education and average annual percent change, by level of degree and race/ethnicity: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Level of degree and race/ethnicity	Year of award										Average annual percent change			
	1984-85		1986-87		1988-89		1989-90		1990-91					
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	1984-85 to 1986-87	1986-87 to 1988-89	1988-89 to 1989-90	1989-90 to 1990-91
Doctor's	32,307	100.0	34,033	100.0	35,659	100.0	38,113	100.0	38,547	100.0	2.6	2.4	6.9	1.1
White, non-Hispanic	23,934	74.1	24,435	71.8	24,882	69.8	25,880	67.9	25,328	65.7	1.0	0.9	4.0	-2.1
Black, non-Hispanic	1,154	3.6	1,060	3.1	1,065	3.0	1,152	3.0	1,212	3.1	-4.2	0.2	8.2	5.2
Hispanic	677	2.1	750	2.2	628	1.8	788	2.1	732	1.9	5.3	-8.5	25.5	-7.1
Asian or Pacific Islander	1,106	3.4	1,097	3.2	1,324	3.7	1,235	3.2	1,458	3.8	-0.4	9.9	-6.7	18.1
American Indian/Alaskan Native	119	0.4	104	0.3	85	0.2	99	0.3	102	0.3	-6.5	-9.6	16.5	3.0
Nonresident alien	5,317	16.5	6,587	19.4	7,675	21.5	8,959	23.5	9,715	25.2	11.3	7.9	16.7	8.4
First-Professional	71,057	100.0	71,617	100.0	70,856	100.0	70,744	100.0	71,515	100.0	0.4	-0.5	-0.2	1.1
White, non-Hispanic	63,219	89.0	62,688	87.5	61,214	86.4	60,240	85.2	60,327	84.4	-0.4	-1.2	-1.6	0.1
Black, non-Hispanic	3,029	4.3	3,420	4.8	3,148	4.4	3,410	4.8	3,575	5.0	6.3	-4.1	8.3	4.8
Hispanic	1,884	2.7	2,051	2.9	2,269	3.2	2,427	3.4	2,527	3.5	4.3	5.2	7.0	4.1
Asian or Pacific Islander	1,816	2.6	2,270	3.2	2,976	4.2	3,382	4.8	3,755	5.3	11.8	14.5	13.0	11.7
American Indian/Alaskan Native	248	0.3	304	0.4	264	0.4	257	0.4	261	0.4	10.7	-6.8	-2.7	1.6
Nonresident alien	861	1.2	884	1.2	985	1.4	1,048	1.5	1,070	1.5	1.3	5.6	6.4	2.1

NOTE: Data for 1984-85 exclude awards to persons whose race/ethnicity could not be imputed. Data for 1989-90 have been revised from previously published figures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," 1984-85; and Integrated Postsecondary Education Data System, "Completions" and Consolidated" surveys, various years.

BEST COPY AVAILABLE

Table 3.--Degrees conferred by institutions of higher education and average annual percent change, by level and field of study: 50 states and District of Columbia, 1984-85 through 1990-91

Level and field of study	Number of degrees					Average annual percent change			
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85 to 1986-87	1986-87 to 1988-89	1988-89 to 1989-90	1989-90 to 1990-91
Associate's degrees, total	429,815	436,299	432,144	450,263	462,030	0.8	-0.5	4.2	2.6
Agriculture and natural resources	6,320	5,458	4,725	4,832	4,910	-7.1	-7.0	2.3	1.6
Architecture and environmental design	1,182	1,665	1,815	2,013	2,031	18.7	4.4	10.9	0.9
Area and ethnic studies	10	14	16	68	19	18.3	6.9	325.0	-72.1
Business and management	116,737	115,231	107,629	107,161	102,978	-0.6	-3.4	-0.4	-3.9
Communications	3,664	3,541	3,743	3,673	3,856	-4.3	2.8	-1.9	5.0
Computer and information sciences	11,843	9,101	7,900	7,574	7,677	-12.3	-6.8	-4.1	1.4
Education	7,009	7,333	7,391	8,022	7,795	2.3	0.4	8.5	-2.8
Engineering and related technologies	59,391	62,512	56,368	54,067	52,097	2.6	-5.0	-4.1	-3.6
Fine and applied arts	12,885	14,161	12,956	13,937	14,779	4.8	-4.3	7.6	6.0
Foreign languages	350	421	324	329	327	9.7	-12.3	1.5	-0.6
Health professions	65,864	62,547	59,566	64,137	70,819	-2.6	-2.4	7.7	10.4
Home economics	9,091	9,328	10,505	10,253	10,879	1.3	6.1	-2.4	6.1
Law	1,961	2,498	3,742	4,552	5,484	12.9	22.4	21.6	20.5
Letters	645	608	603	660	562	-2.9	-0.4	9.5	-14.8
Library science	108	117	103	112	116	4.1	-6.2	8.7	3.6
Life sciences	852	892	982	1,023	1,119	2.3	4.9	4.2	9.4
Mathematics	693	666	654	756	670	-2.0	-0.9	15.6	-11.4
Military sciences	15	41	164	129	85	65.3	100.0	-21.3	-34.1
Physical sciences	1,999	2,061	1,961	2,141	2,185	1.5	-2.5	9.2	2.1
Psychology	821	1,014	1,090	1,114	997	11.1	3.7	2.2	-10.5
Public affairs and services	16,105	16,021	16,875	18,548	19,391	-0.3	2.6	9.9	4.5
Social sciences	2,086	2,584	2,741	2,872	2,505	11.3	3.0	4.8	-12.8
Theology	689	594	568	653	576	-7.1	-2.2	15.0	-11.5
Interdisciplinary studies	109,295	117,891	129,723	141,637	150,171	3.9	4.9	9.2	6.0
Bachelor's degrees, total	968,311	991,260	1,016,350	1,048,631	1,081,280	1.2	1.3	3.2	3.1
Agriculture and natural resources	18,015	14,991	13,492	12,900	13,124	-8.8	-5.1	-4.4	1.7
Architecture and environmental design	9,217	8,950	9,150	9,364	9,781	-1.5	1.1	2.3	4.5
Area and ethnic studies	2,851	3,307	3,945	4,411	4,623	7.7	9.2	11.8	4.8
Business and management	231,308	241,100	247,175	249,365	249,960	2.1	1.3	0.9	0.2
Communications	41,547	45,393	48,645	51,345	52,799	4.5	3.5	5.6	2.8
Computer and information sciences	38,589	39,590	30,454	27,257	25,083	1.3	-12.3	-10.5	-8.0
Education	87,788	87,083	97,082	105,267	111,010	-0.4	5.6	8.4	5.5
Engineering and related technologies	94,560	93,097	85,225	81,598	78,864	-0.8	-4.3	-4.3	-3.4
Fine and applied arts	37,351	36,233	37,925	39,618	41,854	-1.5	2.3	4.5	5.6
Foreign languages	9,845	10,197	10,780	11,415	12,095	1.8	2.8	5.9	6.0
Health professions	63,289	63,213	59,138	58,454	59,268	-0.1	-3.3	-1.2	1.4
Home economics	15,454	14,940	14,715	15,042	15,474	-1.7	-0.8	2.2	2.9
Law	1,131	1,177	1,976	1,592	1,758	2.0	29.6	-19.4	10.4
Letters	40,193	43,116	49,812	55,361	60,195	3.6	7.5	11.1	8.7
Library science	194	140	122	80	93	-15.1	-6.6	-34.4	16.3
Life sciences	38,115	38,120	36,059	37,204	39,530	0.0	-2.7	3.2	6.3
Mathematics	14,885	16,444	15,218	14,509	14,661	5.1	-3.8	-4.7	1.0
Military sciences	298	384	419	417	418	13.5	4.5	-0.5	0.2
Physical sciences	23,555	20,071	17,186	16,066	16,344	-7.7	-7.5	-6.5	1.7
Psychology	39,523	42,835	48,737	53,794	58,451	4.1	6.7	10.4	8.7
Public affairs and services	30,572	31,214	34,151	36,066	37,844	1.0	4.6	5.6	4.9
Social sciences	90,795	96,172	107,914	117,855	124,893	2.9	5.9	9.2	6.0
Theology	5,874	5,728	5,317	5,199	4,813	-1.3	-3.7	-2.2	-7.4
Interdisciplinary studies	33,362	37,765	41,713	44,452	48,345	6.4	5.1	6.6	8.8

Table 3.--Degrees conferred by institutions of higher education and average annual percent change, by level and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Level and field of study	Number of degrees					Average annual percent change			
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85 to 1986-87	1986-87 to 1988-89	1988-89 to 1989-90	1989-90 to 1990-91
Master's degrees, total	280,421	289,341	309,770	322,465	328,645	1.6	3.5	4.1	1.9
Agriculture and natural resources	3,901	3,521	3,245	3,382	3,295	-5.0	-4.0	4.2	-2.6
Architecture and environmental design	3,233	3,164	3,383	3,499	3,490	-1.1	3.4	3.4	-0.3
Area and ethnic studies	778	853	1,004	1,196	1,250	4.7	8.5	19.1	4.5
Business and management	66,596	67,504	73,521	77,146	78,681	0.7	4.4	4.9	2.0
Communications	3,521	3,892	4,257	4,362	4,336	5.1	4.6	2.5	-0.6
Computer and information sciences	6,942	8,481	9,414	9,677	9,324	10.5	5.4	2.8	-3.6
Education	75,821	75,473	82,533	86,399	88,904	-0.2	4.6	4.7	2.9
Engineering and related technologies	20,735	22,658	24,572	24,773	24,959	4.5	4.1	0.8	0.8
Fine and applied arts	8,549	8,503	8,265	8,482	8,655	-0.3	-1.4	2.6	2.0
Foreign languages	1,703	1,745	1,898	2,015	2,073	1.2	4.3	6.2	2.9
Health professions	17,062	18,421	19,293	20,364	21,228	3.9	2.3	5.6	4.2
Home economics	2,359	2,069	2,166	2,102	2,021	-6.3	2.3	-3.0	-3.9
Law	1,774	1,944	2,013	1,888	2,057	4.7	1.8	-6.2	9.0
Letters	6,920	7,234	7,956	8,638	9,251	2.2	4.9	8.6	7.1
Library science	3,846	3,814	3,953	4,399	4,805	-0.4	1.8	11.3	9.2
Life sciences	5,010	4,950	4,961	4,869	4,785	-0.6	0.1	-1.9	-2.1
Mathematics	2,831	3,319	3,447	3,676	3,615	8.3	1.9	6.6	-1.7
Military sciences	50	119	0	0	0	54.3	-100.0	0.0	0.0
Physical sciences	5,675	5,630	5,723	5,449	5,309	-0.4	0.8	-4.8	-2.6
Psychology	8,379	8,124	8,552	9,192	9,731	-1.5	2.6	7.5	5.9
Public affairs and services	17,130	18,523	19,417	19,706	20,035	4.0	2.4	1.5	1.7
Social sciences	10,223	10,395	10,867	11,497	12,069	0.8	2.2	5.8	5.0
Theology	3,894	4,841	4,644	4,653	4,508	11.5	-2.1	0.2	-3.1
Interdisciplinary studies	3,489	4,164	4,686	5,101	4,284	9.2	6.1	8.9	-16.0
Doctor's degrees, total	32,307	34,033	35,659	38,113	38,547	2.6	2.4	6.9	1.1
Agriculture and natural resources	1,216	1,048	1,183	1,295	1,185	-7.2	6.2	9.5	-8.5
Architecture and environmental design	89	92	86	103	135	1.7	-3.3	19.8	31.1
Area and ethnic studies	134	132	113	130	167	-0.7	-7.5	15.0	28.5
Business and management	849	1,094	1,149	1,142	1,243	13.5	2.5	-0.6	8.8
Communications	219	280	253	273	274	13.1	-4.9	7.9	0.4
Computer and information sciences	240	374	551	627	676	24.8	21.4	13.8	7.8
Education	7,032	6,909	6,800	6,991	6,697	-0.9	-0.8	2.8	-4.2
Engineering and related technologies	3,174	3,818	4,523	4,981	5,272	9.7	8.8	10.1	5.8
Fine and applied arts	672	791	752	848	836	8.5	-2.5	12.8	-1.4
Foreign languages	424	441	420	517	526	2.0	-2.4	23.1	1.7
Health professions	1,172	1,213	1,436	1,536	1,614	1.7	8.8	7.0	5.1
Home economics	276	297	265	302	255	3.7	-5.5	14.0	-15.6
Law	89	120	76	111	90	16.1	-20.4	46.1	-18.9
Letters	1,666	1,601	1,699	1,724	1,872	-2.0	3.0	1.5	8.6
Library science	83	57	61	42	56	-17.1	3.4	-31.1	33.3
Life sciences	3,354	3,417	3,520	3,844	4,093	0.9	1.5	9.2	6.5
Mathematics	686	723	866	917	978	2.7	9.4	5.9	6.7
Military sciences	0	0	0	0	0	0.0	0.0	0.0	0.0
Physical sciences	3,382	3,671	3,858	4,164	4,290	4.2	2.5	7.9	3.0
Psychology	2,864	3,056	3,222	3,322	3,422	3.3	2.7	3.1	3.0
Public affairs and services	444	449	490	581	485	0.6	4.5	18.6	-16.5
Social sciences	2,828	2,915	2,885	3,010	3,012	1.5	-0.5	4.3	0.1
Theology	1,090	1,230	1,162	1,312	1,075	6.2	-2.8	12.9	-18.1
Interdisciplinary studies	324	308	289	341	294	-3.0	-2.7	18.0	-13.8

NOTE: Data for 1984-85 exclude awards to persons whose race/ethnicity could not be imputed. Data for 1989-90 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," 1984-85; and Integrated Postsecondary Education Data System, "Completions" and "Consolidated" surveys, various years.

Table 4.--Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
All fields, total	190,409	190,832	183,963	188,631	190,221	239,406	245,467	248,181	261,632	271,809
Agriculture and natural resources	4,347	3,891	3,070	3,232	3,322	1,973	1,767	1,655	1,600	1,588
Architecture and environmental design	211	229	256	268	290	971	1,436	1,559	1,745	1,741
Area and ethnic studies	1	6	8	12	6	9	8	8	56	13
Business and management	39,943	36,924	33,524	32,809	31,043	76,794	78,307	74,105	74,352	71,935
Communications	2,319	2,065	2,122	2,090	2,222	1,545	1,476	1,621	1,583	1,634
Computer and information sciences	6,102	4,791	3,992	3,806	3,907	5,741	4,310	3,908	3,788	3,770
Education	2,106	2,113	2,136	2,314	2,182	4,903	5,220	5,255	5,708	5,613
Engineering and related technologies	54,330	56,921	51,039	48,903	47,140	5,061	5,591	5,329	5,164	4,957
Fine and applied arts	7,566	8,095	7,522	8,057	8,602	5,319	6,066	5,434	5,880	5,977
Foreign languages	183	231	110	78	117	167	190	214	251	210
Health professions	7,758	7,214	7,050	7,993	9,339	52,106	55,333	52,516	56,144	61,480
Home economics	2,530	2,738	3,308	2,732	3,148	6,561	6,590	7,197	7,521	7,731
Law	275	287	471	585	592	1,686	2,211	3,271	3,967	4,892
Letters	252	222	220	244	205	393	386	383	416	357
Library science	9	19	12	13	11	99	98	91	99	105
Life sciences	381	397	414	430	452	471	495	568	593	667
Mathematics	429	418	415	486	406	264	248	239	270	264
Military sciences	15	39	133	114	77	0	2	31	15	8
Physical sciences	1,252	1,253	1,141	1,318	1,270	747	808	820	823	915
Psychology	244	292	279	286	257	577	722	811	828	740
Public affairs and services	10,819	10,537	10,976	12,494	12,888	5,286	5,484	5,899	6,054	6,503
Social sciences	898	1,095	1,197	1,261	1,011	1,188	1,489	1,544	1,611	1,494
Theology	390	355	320	389	335	299	239	248	264	243
Interdisciplinary studies	48,049	50,900	54,248	58,717	61,199	61,246	66,991	75,475	82,920	88,972
White, non-Hispanic										
Total	157,278	158,126	150,950	154,719	155,320	198,065	203,693	203,883	214,827	220,749
Agriculture and natural resources	4,050	3,492	2,918	3,046	3,181	1,903	1,857	1,583	1,502	1,513
Architecture and environmental design	166	169	191	184	214	882	1,279	1,354	1,492	1,451
Area and ethnic studies	0	2	1	5	4	3	1	2	39	3
Business and management	32,633	30,367	27,097	26,460	24,695	62,259	63,623	59,264	59,245	56,278
Communications	1,960	1,750	1,804	1,795	1,878	1,346	1,222	1,351	1,325	1,322
Computer and information sciences	5,066	3,855	3,169	2,948	3,087	4,662	3,255	2,871	2,718	2,695
Education	1,418	1,654	1,585	1,831	1,704	3,846	4,288	4,290	4,698	4,567
Engineering and related technologies	45,574	47,010	42,211	40,504	38,812	4,051	4,326	4,176	4,087	3,944
Fine and applied arts	6,192	6,811	6,207	6,835	7,335	4,522	5,165	4,544	5,040	5,054
Foreign languages	149	203	87	51	89	120	150	163	202	155
Health professions	6,530	5,945	5,670	6,585	7,633	51,189	47,931	44,903	48,466	52,907
Home economics	2,261	2,461	2,912	2,340	2,694	5,015	5,157	5,649	5,755	5,794
Law	210	216	377	449	468	1,487	1,963	2,839	3,470	4,233
Letters	205	172	167	176	160	312	308	307	336	296
Library science	8	14	10	8	7	89	90	78	85	89
Life sciences	296	288	308	312	325	366	329	422	431	453
Mathematics	321	313	305	347	287	204	186	182	210	203
Military sciences	15	37	109	77	62	0	2	24	14	4
Physical sciences	1,048	1,080	937	1,097	1,028	617	687	702	680	697
Psychology	204	233	208	220	195	476	592	648	636	559
Public affairs and services	9,106	8,794	9,279	10,667	10,973	4,020	4,197	4,554	4,722	4,978
Social sciences	596	792	857	874	687	791	1,061	1,135	1,230	1,016
Theology	339	308	286	332	280	261	219	224	241	215
Interdisciplinary studies	38,931	42,160	44,255	47,596	49,522	49,664	56,005	62,598	68,203	72,323

See footnotes at end of table.

Table 4.--Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Black, non-Hispanic										
Total	14,184	13,947	12,913	13,161	13,720	21,607	21,510	21,809	22,180	23,939
Agriculture and natural resources	98	46	24	26	17	19	16	18	20	12
Architecture and environmental design	17	10	13	13	1	29	46	55	51	48
Area and ethnic studies	1	0	4	5	2	0	3	1	5	5
Business and management	3,597	3,479	3,086	2,966	2,858	8,123	8,220	8,011	7,738	7,799
Communications	222	190	165	138	171	113	139	138	131	158
Computer and information sciences	446	415	313	353	338	462	539	551	568	589
Education	248	222	254	270	235	405	417	468	465	398
Engineering and related technologies	3,517	3,751	3,106	3,004	3,081	502	529	571	487	494
Fine and applied arts	462	469	390	359	513	283	315	260	231	299
Foreign languages	21	9	2	2	2	8	5	8	6	4
Health professions	560	599	543	552	668	4,018	4,279	4,395	4,306	4,775
Home economics	159	131	194	183	206	870	838	821	828	918
Law	39	44	44	70	66	89	126	213	273	373
Letters	18	16	22	30	18	37	23	23	27	23
Library science	1	1	0	3	0	5	4	5	3	7
Life sciences	37	21	18	25	22	56	84	50	48	37
Mathematics	17	27	15	18	17	7	12	8	3	11
Military sciences	0	0	17	26	8	0	0	5	0	3
Physical sciences	57	53	39	59	70	52	51	42	49	82
Psychology	22	29	30	33	32	43	48	54	78	73
Public affairs and services	897	819	724	750	827	808	810	861	852	918
Social sciences	140	155	164	176	153	201	149	167	163	194
Theology	21	30	18	14	26	10	4	6	9	9
Interdisciplinary studies	3,587	3,431	3,728	4,086	4,389	5,467	4,853	5,078	5,839	6,710
Hispanic										
Total	8,561	8,764	9,212	9,869	10,213	10,846	10,581	11,169	12,347	14,042
Agriculture and natural resources	72	61	40	46	41	20	64	26	24	22
Architecture and environmental design	6	23	17	30	38	44	50	64	87	122
Area and ethnic studies	0	1	0	0	0	[illegible]	1	0	0	0
Business and management	1,704	1,376	1,477	1,531	1,563	3,425	3,318	3,316	3,644	4,019
Communications	75	64	76	96	99	55	60	51	54	76
Computer and information sciences	216	207	198	197	198	219	208	176	185	200
Education	145	124	159	114	135	494	290	296	309	371
Engineering and related technologies	2,034	2,554	2,349	2,449	2,370	176	228	216	242	241
Fine and applied arts	338	358	397	377	438	196	223	244	218	223
Foreign languages	7	5	8	10	17	27	17	28	31	36
Health professions	395	374	447	444	536	1,578	1,672	1,608	1,654	1,847
Home economics	42	44	66	67	88	405	352	392	456	521
Law	17	19	29	40	30	59	75	105	134	205
Letters	8	11	7	17	11	21	21	17	19	19
Library science	0	2	1	0	2	2	2	4	1	1
Life sciences	19	30	27	31	38	19	24	38	56	71
Mathematics	29	22	33	47	41	9	18	17	21	15
Military sciences	0	1	7	10	4	0	0	2	1	0
Physical sciences	80	51	62	64	71	31	27	33	35	57
Psychology	10	16	25	26	15	33	51	73	85	75
Public affairs and services	535	660	638	648	685	315	290	314	275	391
Social sciences	101	80	90	119	99	124	176	118	114	177
Theology	19	11	9	24	8	11	7	8	6	4
Interdisciplinary studies	2,709	2,670	3,050	3,482	3,686	3,582	3,407	4,023	4,696	5,349

See footnotes at end of table.

Table 4.--Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Asian or Pacific Islander										
Total	5,492	6,172	6,375	6,478	6,444	4,422	5,622	6,156	7,000	7,285
Agriculture and natural resources	22	20	13	11	8	6	7	9	14	14
Architecture and environmental design	9	19	15	26	28	18	35	47	62	60
Area and ethnic studies	0	0	1	0	0	0	0	0	0	1
Business and management	900	997	1,052	1,065	1,064	1,524	1,856	1,972	2,302	2,295
Communications	26	24	27	35	31	6	17	23	30	22
Computer and information sciences	211	199	171	191	174	236	205	186	173	161
Education	253	57	46	22	32	38	73	59	64	69
Engineering and related technologies	1,973	2,587	2,341	2,068	1,927	236	392	246	255	194
Fine and applied arts	406	306	383	349	359	181	154	201	209	213
Foreign languages	1	5	4	6	5	7	8	3	1	7
Health professions	174	173	233	269	316	672	855	924	995	1,151
Home economics	49	66	90	101	111	121	141	181	291	316
Law	5	3	2	11	9	24	37	40	54	38
Letters	1	14	7	12	6	1	20	9	15	8
Library science	0	1	0	0	0	3	2	2	5	3
Life sciences	13	25	34	40	49	18	37	28	44	80
Mathematics	34	46	44	55	44	29	26	23	23	23
Military sciences	0	0	0	1	3	0	0	0	0	1
Physical sciences	39	36	68	71	67	32	31	26	45	55
Psychology	1	6	5	3	11	7	14	9	17	13
Public affairs and services	136	133	175	215	211	50	78	66	91	96
Social sciences	24	37	43	55	35	15	58	69	48	32
Theology	2	1	2	12	13	3	2	6	4	5
Interdisciplinary studies	1,213	1,417	1,619	1,860	1,941	1,195	1,574	2,027	2,258	2,428
American Indian/Alaskan Native										
Total	1,198	1,263	1,325	1,434	1,374	1,755	1,933	2,010	2,096	2,301
Agriculture and natural resources	41	36	29	33	44	12	15	6	13	16
Architecture and environmental design	2	1	2	2	0	2	3	3	5	7
Area and ethnic studies	0	3	2	2	0	5	3	5	2	4
Business and management	234	203	192	213	182	562	608	591	537	585
Communications	4	9	12	9	14	7	13	8	6	17
Computer and information sciences	16	20	24	29	24	36	27	39	51	57
Education	23	33	42	52	44	78	101	86	124	109
Engineering and related technologies	313	320	363	302	324	41	40	51	34	39
Fine and applied arts	74	96	64	76	73	42	89	43	50	45
Foreign languages	0	6	5	6	3	0	5	5	5	3
Health professions	45	51	56	78	63	327	352	357	383	405
Home economics	9	17	15	12	12	54	37	62	55	51
Law	0	5	8	9	14	7	6	28	15	28
Letters	1	4	9	4	6	4	4	11	7	4
Library science	0	0	1	2	2	0	0	2	4	5
Life sciences	4	5	9	5	7	4	13	12	7	15
Mathematics	4	2	6	8	6	0	2	3	6	7
Military sciences	0	1	0	0	0	0	0	0	0	0
Physical sciences	7	3	1	5	10	7	3	2	2	7
Psychology	2	6	5	3	2	9	11	8	6	14
Public affairs and services	64	60	88	108	104	82	84	71	85	95
Social sciences	10	18	15	23	15	25	34	30	39	48
Theology	0	0	0	0	1	1	1	2	0	0
Interdisciplinary studies	345	364	377	453	424	470	482	585	680	740

See footnotes at end of table.

Table 4.--Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Nonresident alien										
Total	3,696	2,560	3,188	2,970	3,150	2,711	2,128	3,174	3,182	3,493
Agriculture and natural resources	64	36	46	70	31	13	8	13	27	11
Architecture and environmental design	11	7	18	13	9	16	23	36	48	53
Area and ethnic studies	0	0	0	0	0	0	0	0	10	0
Business and management	875	502	620	574	681	901	682	951	886	959
Communications	32	28	38	17	29	18	25	50	37	39
Computer and information sciences	147	95	117	88	86	126	76	85	73	68
Education	19	23	50	25	32	42	51	56	48	99
Engineering and related technologies	919	699	669	576	626	55	76	69	59	45
Fine and applied arts	94	55	81	61	84	95	120	142	132	143
Foreign languages	5	3	4	3	1	5	5	7	6	5
Health professions	54	72	101	85	123	322	244	329	360	395
Home economics	10	19	31	29	37	96	65	92	136	131
Law	4	0	11	6	5	20	4	46	21	15
Letters	19	5	8	5	4	18	10	16	12	7
Library science	0	1	0	0	0	0	0	0	1	0
Life sciences	12	28	18	17	11	8	8	18	7	11
Mathematics	24	8	12	11	11	15	4	6	7	5
Military sciences	0	0	0	0	0	0	0	0	0	0
Physical sciences	21	30	34	22	24	8	9	15	12	17
Psychology	5	2	6	1	2	9	6	19	6	6
Public affairs and services	81	71	72	106	88	31	25	33	29	25
Social sciences	27	13	28	14	22	32	11	25	17	27
Theology	9	5	5	7	7	13	6	2	4	10
Interdisciplinary studies	1,264	858	1,219	1,240	1,237	868	670	1,164	1,244	1,422

NOTE: Data for 1984-85 exclude awards to persons whose race/ethnicity could not be imputed. Data for 1989-90 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," 1984-85; and Integrated Postsecondary Education Data System, "Completions" and "Consolidated" surveys, various years.

Table 5.--Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
All fields, total	476,148	480,780	481,946	490,317	496,424	492,163	510,480	534,404	558,314	584,856
Agriculture and natural resources	12,427	10,314	9,298	8,822	8,832	5,588	4,677	4,194	4,078	4,292
Architecture and environmental design	5,946	5,617	5,545	5,703	5,788	3,271	3,333	3,605	3,661	3,993
Area and ethnic studies	1,092	1,249	1,610	1,766	1,858	1,759	2,058	2,335	2,645	2,765
Business and management	126,762	128,920	131,630	132,757	132,058	104,546	112,180	115,545	116,608	117,902
Communications	17,039	18,153	19,247	20,247	20,666	24,508	27,240	29,398	31,098	32,133
Computer and information sciences	24,386	25,866	21,087	19,117	17,726	14,203	13,724	9,367	8,140	7,357
Education	21,146	20,759	21,681	23,020	23,445	66,642	66,324	75,401	82,247	87,585
Engineering and related technologies	82,095	80,349	73,615	70,310	67,907	12,465	12,748	11,610	11,288	10,957
Fine and applied arts	14,190	13,785	14,610	15,281	15,864	23,161	22,448	23,315	24,337	25,990
Foreign languages	2,606	2,792	2,875	3,031	3,350	7,239	7,405	7,905	8,384	8,745
Health professions	9,534	9,177	8,947	9,199	9,695	53,755	54,036	50,191	49,255	49,573
Home economics	1,002	1,115	1,380	1,496	1,603	14,452	13,825	13,335	13,546	13,871
Law	445	389	785	514	573	686	808	1,191	1,078	1,185
Letters	15,787	16,525	18,403	20,421	22,192	24,406	26,591	31,409	34,940	38,003
Library science	25	20	16	15	6	169	120	106	65	87
Life sciences	19,905	19,656	17,953	18,312	19,412	18,210	18,464	18,106	18,892	20,118
Mathematics	8,010	8,792	8,189	7,808	7,744	6,875	7,652	7,029	6,701	6,917
Military sciences	272	358	378	384	371	26	26	41	33	47
Physical sciences	16,972	14,372	12,077	11,031	11,176	6,583	5,699	5,109	5,035	5,168
Psychology	12,596	13,328	14,227	15,322	16,039	26,927	29,507	34,510	38,472	42,412
Public affairs and services	13,894	14,151	15,795	16,783	17,585	16,678	17,063	18,358	19,283	20,259
Social sciences	50,789	53,870	60,011	65,790	68,600	40,006	42,302	47,903	52,065	56,293
Theology	4,278	4,330	4,101	3,949	3,849	1,596	1,398	1,216	1,250	1,184
Interdisciplinary studies	14,950	16,913	18,486	19,239	20,285	18,412	20,852	23,227	25,213	28,060
White, non-Hispanic										
Total	405,085	406,751	407,142	413,571	415,506	421,021	435,069	452,557	470,801	488,555
Agriculture and natural resources	11,252	9,406	8,506	7,988	8,022	5,177	4,251	3,761	3,678	3,841
Architecture and environmental design	4,888	4,801	4,419	4,611	4,654	2,759	2,770	2,969	3,038	3,280
Area and ethnic studies	874	997	1,231	1,411	1,443	1,368	1,652	1,814	1,999	2,045
Business and management	109,130	111,091	113,141	114,068	112,010	87,785	94,027	95,184	95,429	94,846
Communications	14,940	15,941	16,927	17,877	18,131	21,216	23,552	25,606	26,794	27,543
Computer and information sciences	20,188	20,480	16,210	14,527	13,315	11,133	9,771	6,156	5,147	4,588
Education	18,119	18,050	19,233	20,489	20,751	59,412	60,166	69,043	75,327	79,574
Engineering and related technologies	66,478	63,608	58,001	54,827	52,427	9,960	9,680	8,560	8,179	7,878
Fine and applied arts	12,257	11,875	12,576	13,178	13,570	20,688	19,796	20,507	21,416	22,695
Foreign languages	2,153	2,287	2,338	2,481	2,727	6,061	6,134	6,443	6,769	7,017
Health professions	8,114	7,790	7,534	7,677	7,940	47,287	47,620	43,519	42,079	42,101
Home economics	841	909	1,172	1,273	1,389	12,783	12,163	11,681	11,856	12,192
Law	384	334	668	438	492	802	740	1,057	950	1,023
Letters	14,277	14,936	16,672	18,382	20,053	21,926	23,887	28,065	31,127	33,613
Library science	17	16	12	12	5	156	106	93	60	79
Life sciences	16,805	16,393	14,613	14,836	15,550	15,002	14,886	14,261	14,715	15,444
Mathematics	6,508	7,216	6,704	6,390	6,264	5,654	6,340	5,775	5,584	5,644
Military sciences	259	336	325	339	328	25	24	31	25	39
Physical sciences	15,050	12,505	10,343	9,426	9,443	5,610	4,654	4,149	3,984	4,057
Psychology	10,866	11,540	12,272	13,142	13,647	23,085	25,474	29,517	32,858	35,781
Public affairs and services	11,225	11,653	13,002	13,919	14,397	13,115	13,548	14,441	15,134	15,713
Social sciences	43,787	46,493	51,781	56,615	58,620	33,330	35,166	39,352	42,600	45,578
Theology	3,836	3,950	3,667	3,489	3,287	1,433	1,288	1,107	1,082	1,029
Interdisciplinary studies	12,857	14,444	15,815	16,176	17,041	15,354	17,376	19,466	20,975	23,155

See footnotes at end of table.

Table 5.--Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Black, non-Hispanic										
Total	23,018	22,499	22,363	23,264	24,326	34,455	34,056	35,702	37,801	41,012
Agriculture and natural resources	256	182	173	202	207	114	117	137	124	134
Architecture and environmental design	215	198	186	208	214	113	79	94	113	115
Area and ethnic studies	82	85	98	123	135	137	116	138	202	227
Business and management	6,442	6,051	6,060	6,295	6,469	8,557	8,635	9,045	9,458	10,220
Communications	1,165	1,125	1,150	1,173	1,236	1,970	2,103	2,056	2,314	2,401
Computer and information sciences	1,036	1,329	1,235	1,104	1,001	1,107	1,599	1,298	1,221	1,062
Education	1,569	1,348	1,151	1,197	1,199	3,887	2,905	3,094	3,199	3,626
Engineering and related technologies	2,435	2,580	2,342	2,384	2,506	724	921	877	865	976
Fine and applied arts	716	660	639	673	660	827	708	733	729	809
Foreign languages	91	87	62	77	85	221	234	261	249	259
Health professions	484	481	467	511	540	3,352	3,341	3,514	3,623	3,680
Home economics	94	98	106	105	116	858	781	789	827	816
Law	40	14	46	31	33	45	38	81	73	86
Letters	652	625	640	697	720	1,196	1,197	1,442	1,559	1,845
Library science	5	0	1	1	0	11	9	7	2	6
Life sciences	806	740	710	669	712	1,239	1,192	1,232	1,348	1,442
Mathematics	373	402	380	353	387	393	444	421	372	438
Military sciences	3	1	31	19	12	1	0	6	4	2
Physical sciences	455	445	371	305	402	374	399	333	369	370
Psychology	751	683	668	827	903	1,916	1,852	2,171	2,451	2,883
Public affairs and services	1,532	1,479	1,638	1,682	1,839	2,546	2,459	2,650	2,712	2,926
Social sciences	2,778	2,676	2,871	3,152	3,511	3,322	3,266	3,652	4,058	4,588
Theology	156	142	162	184	105	39	35	23	69	29
Interdisciplinary studies	882	1,068	1,176	1,292	1,334	1,506	1,626	1,648	1,860	2,072
Hispanic										
Total	12,402	12,864	13,947	14,941	16,157	13,472	14,126	15,963	17,905	20,455
Agriculture and natural resources	165	152	158	146	152	77	79	64	65	81
Architecture and environmental design	231	233	233	253	278	104	105	126	125	180
Area and ethnic studies	68	58	62	83	87	100	88	113	135	175
Business and management	2,988	3,251	3,495	3,594	3,901	2,783	3,146	3,522	3,629	3,951
Communications	358	402	460	488	595	542	609	724	854	973
Computer and information sciences	484	615	564	553	586	342	462	332	310	331
Education	597	518	579	646	750	1,936	1,705	1,702	2,222	2,760
Engineering and related technologies	1,935	2,178	2,056	2,201	2,207	307	375	391	388	433
Fine and applied arts	371	369	446	477	511	435	482	544	579	658
Foreign languages	237	209	264	302	351	562	599	705	832	903
Health professions	309	255	270	315	398	1,241	1,077	1,127	1,291	1,317
Home economics	25	18	32	43	24	221	214	252	259	260
Law	20	11	37	25	25	24	14	20	25	38
Letters	357	343	404	542	520	464	535	726	902	1,004
Library science	0	0	0	0	0	0	3	2	0	1
Life sciences	681	657	653	671	744	560	602	605	619	759
Mathematics	148	170	191	213	214	109	99	121	144	166
Military sciences	7	12	8	8	5	0	1	4	2	2
Physical sciences	310	287	276	229	254	107	136	110	121	136
Psychology	432	459	549	605	665	899	942	1,255	1,461	1,714
Public affairs and services	612	523	648	657	733	602	613	736	836	938
Social sciences	1,557	1,564	1,890	2,142	2,370	1,289	1,319	1,768	1,962	2,311
Theology	86	63	69	81	73	33	18	27	17	30
Interdisciplinary studies	424	517	603	667	714	735	903	987	1,127	1,334

See footnotes at end of table.

Table 5.--Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Asian or Pacific Islander										
Total	13,554	17,249	19,271	19,719	20,681	11,841	15,389	18,415	19,528	20,941
Agriculture and natural resources	141	161	105	139	116	104	122	121	110	122
Architecture and environmental design	188	208	223	295	295	112	157	204	185	232
Area and ethnic studies	41	77	144	82	123	93	137	190	221	230
Business and management	2,644	2,873	3,633	3,683	4,015	2,630	3,129	4,340	4,728	5,100
Communications	204	356	364	318	322	360	563	582	626	636
Computer and information sciences	1,158	1,542	1,455	1,402	1,307	886	1,004	906	851	768
Education	240	312	262	264	257	530	780	844	664	634
Engineering and related technologies	4,132	5,347	5,676	5,632	5,800	881	1,150	1,227	1,283	1,338
Fine and applied arts	333	418	466	489	541	576	776	901	894	977
Foreign languages	45	140	139	87	88	165	201	258	295	300
Health professions	298	337	400	408	482	1,012	1,240	1,310	1,480	1,546
Home economics	19	46	34	43	41	288	377	415	367	372
Law	18	9	26	11	16	10	13	28	23	28
Letters	223	352	411	520	555	362	591	773	873	987
Library science	1	0	1	1	0	0	0	2	0	0
Life sciences	1,022	1,343	1,475	1,620	1,775	928	1,277	1,479	1,715	1,859
Mathematics	470	540	531	502	487	410	510	498	384	439
Military sciences	3	1	4	4	8	0	0	0	1	3
Physical sciences	504	615	634	607	620	259	303	297	363	384
Psychology	277	417	501	506	575	553	771	1,065	1,176	1,351
Public affairs and services	161	196	271	248	298	164	212	231	281	318
Social sciences	1,002	1,448	1,947	2,159	2,201	1,032	1,494	2,023	2,175	2,431
Theology	54	67	94	84	94	26	25	27	38	38
Interdisciplinary studies	376	444	475	615	665	460	537	694	795	848
American Indian/Alaskan Native										
Total	1,998	1,819	1,731	1,861	1,901	2,248	2,152	2,223	2,532	2,612
Agriculture and natural resources	47	38	45	48	40	23	20	24	29	25
Architecture and environmental design	24	15	28	17	19	11	11	11	9	14
Area and ethnic studies	7	9	7	13	13	9	20	18	15	11
Business and management	495	400	350	402	425	426	383	447	443	446
Communications	61	58	58	76	66	94	74	71	103	89
Computer and information sciences	76	63	56	62	50	63	53	32	32	32
Education	165	124	170	154	178	318	328	363	442	441
Engineering and related technologies	263	247	234	188	203	50	42	46	28	33
Fine and applied arts	73	82	52	68	78	127	102	72	98	119
Foreign languages	4	10	6	6	11	19	14	30	22	30
Health professions	49	46	45	39	52	224	228	194	227	234
Home economics	5	18	5	1	6	68	101	46	68	55
Law	2	1	4	7	6	2	1	1	3	5
Letters	65	48	68	75	61	96	62	114	145	127
Library science	0	0	0	0	0	0	0	0	0	0
Life sciences	89	79	70	74	86	72	68	76	59	94
Mathematics	36	33	37	25	19	23	20	14	23	26
Military sciences	0	1	0	0	1	0	0	0	0	0
Physical sciences	65	46	44	54	47	33	28	18	22	23
Psychology	75	65	60	77	71	126	121	152	149	170
Public affairs and services	76	78	76	97	107	126	121	152	179	196
Social sciences	229	249	213	263	255	218	215	201	257	265
Theology	10	13	8	5	6	10	2	4	7	6
Interdisciplinary studies	82	96	95	110	101	110	138	137	172	171

See footnotes at end of table.

Table 5.--Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984–85 through 1990–91--Continued

Field of study and race/ethnicity	Men					Women				
	1984–85	1986–87	1988–89	1989–90	1990–91	1984–85	1986–87	1988–89	1989–90	1990–91
Nonresident alien										
Total	20,091	19,598	17,492	16,961	17,853	9,126	9,708	9,544	9,747	11,261
Agriculture and natural resources	566	375	311	299	295	93	88	87	74	89
Architecture and environmental design	400	462	456	319	328	172	211	201	193	172
Area and ethnic studies	20	23	68	54	57	52	45	62	73	77
Business and management	5,063	5,254	4,951	4,715	5,238	2,385	2,860	3,007	2,921	3,339
Communications	311	271	288	315	316	326	339	359	407	491
Computer and information sciences	1,444	1,837	1,567	1,469	1,467	672	835	643	579	576
Education	456	407	286	270	310	559	440	355	393	530
Engineering and related technologies	6,852	6,389	5,306	5,078	4,764	543	580	509	545	499
Fine and applied arts	440	381	431	396	504	508	584	558	621	732
Foreign languages	76	59	66	78	88	211	223	208	217	236
Health professions	280	268	231	249	283	539	530	527	555	695
Home economics	18	26	31	31	27	234	189	152	169	176
Law	1	0	4	2	1	3	2	4	4	5
Letters	213	221	208	205	283	382	319	289	334	427
Library science	2	4	2	1	1	2	2	2	3	1
Life sciences	502	444	432	442	545	409	439	453	436	520
Mathematics	475	431	346	325	373	286	239	200	194	204
Military sciences	0	7	10	14	17	0	1	0	1	1
Physical sciences	588	474	409	410	410	200	179	202	176	198
Psychology	195	164	177	165	178	348	347	350	377	513
Public affairs and services	288	222	160	180	211	125	110	146	141	168
Social sciences	1,436	1,440	1,329	1,459	1,643	815	842	907	1,013	1,120
Theology	136	95	101	106	84	55	32	28	37	32
Interdisciplinary studies	329	344	322	379	430	247	272	295	284	480

NOTE: Data for 1984–85 exclude awards to persons whose race/ethnicity could not be imputed. Data for 1989–90 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," 1984–85; and Integrated Postsecondary Education Data System, "Completions" and "Consolidated" surveys, various years.

Table 6.--Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
All fields, total	139,417	141,264	148,872	152,926	151,796	141,004	148,077	160,898	169,539	176,849
Agriculture and natural resources	2,828	2,460	2,231	2,239	2,160	1,073	1,061	1,014	1,143	1,135
Architecture and environmental design	2,124	2,086	2,192	2,228	2,244	1,109	1,078	1,191	1,271	1,246
Area and ethnic studies	380	457	511	650	637	398	396	493	546	613
Business and management	45,884	45,219	48,869	50,951	51,192	20,712	22,285	24,652	26,195	27,489
Communications	1,470	1,589	1,737	1,707	1,711	2,051	2,303	2,520	2,655	2,625
Computer and information sciences	4,936	5,985	6,775	6,960	6,563	2,006	2,496	2,639	2,717	2,761
Education	20,844	19,635	20,287	20,846	20,786	54,977	55,838	62,246	65,553	68,118
Engineering and related technologies	18,505	19,808	21,378	21,358	21,430	2,230	2,850	3,194	3,415	3,529
Fine and applied arts	3,806	3,756	3,611	3,708	3,830	4,743	4,747	4,654	4,774	4,825
Foreign languages	550	516	593	617	635	1,153	1,229	1,305	1,398	1,438
Health professions	4,052	3,885	4,235	4,553	4,465	13,010	14,536	15,058	15,811	16,763
Home economics	267	256	307	305	299	2,092	1,813	1,859	1,797	1,722
Law	1,363	1,423	1,431	1,318	1,443	411	521	582	570	614
Letters	2,680	2,840	3,050	3,322	3,428	4,240	4,394	4,906	5,316	5,823
Library science	749	796	820	992	998	3,097	3,018	3,133	3,407	3,807
Life sciences	2,620	2,538	2,492	2,395	2,302	2,390	2,412	2,469	2,474	2,463
Mathematics	1,843	2,022	2,089	2,202	2,137	988	1,297	1,358	1,474	1,478
Military sciences	49	118	0	0	0	1	1	0	0	0
Physical sciences	4,355	4,220	4,199	4,010	3,837	1,320	1,410	1,524	1,439	1,472
Psychology	3,042	2,828	2,782	2,988	2,975	5,337	5,296	5,770	6,204	6,756
Public affairs and services	6,704	7,120	7,298	7,196	7,067	10,426	11,403	12,119	12,510	12,968
Social sciences	6,298	6,293	6,510	6,821	6,929	3,925	4,102	4,357	4,676	5,140
Theology	2,521	3,193	3,007	2,985	2,922	1,373	1,648	1,637	1,668	1,586
Interdisciplinary studies	1,547	2,221	2,468	2,575	1,806	1,942	1,943	2,218	2,526	2,478
White, non-Hispanic										
Total	106,059	105,573	109,709	112,879	111,228	117,569	123,297	133,047	138,810	144,058
Agriculture and natural resources	2,005	1,680	1,465	1,494	1,432	860	856	760	827	809
Architecture and environmental design	1,416	1,419	1,459	1,491	1,535	862	831	895	888	912
Area and ethnic studies	249	310	370	487	455	259	275	321	377	403
Business and management	37,256	35,505	38,288	40,198	40,072	17,407	18,077	19,497	20,595	21,359
Communications	1,167	1,233	1,353	1,274	1,291	1,665	1,839	1,997	2,030	1,935
Computer and information sciences	3,052	3,475	3,826	3,979	3,483	1,251	1,578	1,490	1,557	1,475
Education	17,047	16,431	17,048	17,347	17,417	46,255	48,061	54,071	56,513	58,685
Engineering and related technologies	11,012	11,742	12,119	12,109	12,038	1,588	2,006	2,126	2,155	2,106
Fine and applied arts	3,203	3,132	2,967	2,981	2,978	4,031	3,973	3,733	3,866	3,840
Foreign languages	390	351	397	404	440	832	828	882	942	993
Health professions	3,170	3,048	3,224	3,545	3,395	11,395	12,676	13,053	13,598	14,377
Home economics	219	206	238	237	236	1,742	1,525	1,567	1,503	1,391
Law	927	809	840	757	839	282	291	334	306	350
Letters	2,216	2,315	2,482	2,685	2,851	3,600	3,728	4,131	4,474	4,944
Library science	652	679	712	853	844	2,746	2,639	2,747	2,990	3,299
Life sciences	2,125	2,038	1,888	1,797	1,714	1,954	1,906	1,919	1,871	1,800
Mathematics	1,170	1,247	1,234	1,351	1,232	703	866	895	941	939
Military sciences	42	101	0	0	0	0	0	0	0	0
Physical sciences	3,144	3,023	2,882	2,677	2,464	1,001	1,039	1,065	943	887
Psychology	2,600	2,471	2,389	2,554	2,552	4,618	4,622	5,010	5,274	5,817
Public affairs and services	5,254	5,465	5,572	5,465	5,436	8,595	9,402	9,988	10,179	10,503
Social sciences	4,326	4,316	4,480	4,667	4,791	3,007	3,125	3,223	3,402	3,719
Theology	2,106	2,658	2,386	2,355	2,216	1,223	1,450	1,408	1,393	1,348
Interdisciplinary studies	1,311	1,919	2,090	2,172	1,517	1,693	1,704	1,935	2,186	2,167

See footnotes at end of table.

Table 6.--Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Black, non-Hispanic										
Total	5,200	5,151	5,175	5,539	5,707	8,739	8,716	8,921	9,907	10,429
Agriculture and natural resources	50	63	41	37	47	25	16	12	14	24
Architecture and environmental design	80	48	56	60	68	43	29	44	54	42
Area and ethnic studies	19	10	16	18	20	22	29	13	25	37
Business and management	1,574	1,637	1,742	1,809	1,829	1,027	1,173	1,320	1,536	1,707
Communications	63	83	85	85	93	120	142	138	167	158
Computer and information sciences	108	136	126	166	160	72	86	85	110	143
Education	1,325	1,127	1,114	1,179	1,277	4,487	4,123	4,196	4,446	4,559
Engineering and related technologies	300	351	306	323	348	60	98	109	114	119
Fine and applied arts	107	129	101	125	135	122	111	98	121	96
Foreign languages	9	9	7	13	8	17	20	14	18	17
Health professions	179	139	179	173	204	640	717	676	761	845
Home economics	15	12	12	9	9	107	78	67	96	93
Law	40	26	33	30	30	21	18	25	15	16
Letters	62	68	76	56	72	109	114	105	126	143
Library science	24	25	25	34	34	148	121	105	137	140
Life sciences	67	84	58	53	61	84	91	66	62	83
Mathematics	34	47	33	40	56	19	29	29	35	49
Military sciences	3	7	0	0	0	1	1	0	0	0
Physical sciences	61	48	56	66	48	28	36	23	25	32
Psychology	146	123	126	136	136	280	275	289	342	341
Public affairs and services	592	604	601	699	628	1,008	1,114	1,180	1,334	1,333
Social sciences	234	226	197	239	256	188	190	198	220	312
Theology	61	86	101	116	128	32	35	44	62	57
Interdisciplinary studies	47	63	84	73	60	79	70	85	87	83
Hispanic										
Total	3,059	3,330	3,328	3,588	3,667	3,805	3,714	3,954	4,366	4,715
Agriculture and natural resources	48	30	39	26	29	16	14	17	20	18
Architecture and environmental design	70	68	68	72	71	23	25	22	35	41
Area and ethnic studies	28	30	21	26	39	26	23	38	25	35
Business and management	812	954	983	1,043	1,046	363	483	598	600	642
Communications	22	31	24	42	30	49	39	46	45	40
Computer and information sciences	65	98	99	108	90	29	34	47	28	47
Education	668	601	590	695	724	1,851	1,631	1,604	1,847	2,017
Engineering and related technologies	299	456	385	380	404	41	73	78	72	87
Fine and applied arts	78	65	93	97	107	80	77	73	86	102
Foreign languages	49	42	50	53	58	125	120	105	137	131
Health professions	89	72	103	124	120	207	306	299	336	325
Home economics	0	3	12	4	6	40	22	35	29	30
Law	24	30	23	23	29	15	20	9	14	19
Letters	45	57	63	84	70	73	61	96	115	103
Library science	18	14	11	22	26	35	34	50	36	63
Life sciences	48	40	58	50	43	61	46	54	44	58
Mathematics	28	39	20	33	45	21	16	10	15	26
Military sciences	2	5	0	0	0	0	0	0	0	0
Physical sciences	87	85	53	53	68	20	31	24	25	18
Psychology	114	91	108	101	113	159	152	194	204	225
Public affairs and services	221	275	253	271	277	396	353	369	423	473
Social sciences	159	154	145	158	160	113	91	99	133	138
Theology	44	63	74	56	76	18	25	25	23	23
Interdisciplinary studies	41	27	53	67	36	44	38	62	74	54

See footnotes at end of table.

Table 6.--Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Asian or Pacific Islander										
Total	4,842	5,238	6,050	6,002	6,319	2,940	3,320	4,286	4,576	4,861
Agriculture and natural resources	55	36	29	30	35	20	22	20	30	29
Architecture and environmental design	75	57	73	76	78	41	35	45	53	56
Area and ethnic studies	18	25	25	24	23	30	13	24	33	38
Business and management	1,449	1,531	1,850	1,879	1,937	621	773	1,074	1,100	1,219
Communications	24	29	45	60	47	23	50	47	98	86
Computer and information sciences	414	561	593	689	670	201	273	354	371	415
Education	238	232	259	263	276	563	492	702	760	845
Engineering and related technologies	1,395	1,552	1,796	1,650	1,830	178	205	303	339	345
Fine and applied arts	86	75	78	89	110	142	164	198	173	180
Foreign languages	4	8	10	18	7	24	28	33	32	32
Health professions	174	152	165	199	180	302	337	386	440	448
Home economics	4	5	4	6	8	54	44	45	43	42
Law	34	53	33	11	25	13	25	16	15	21
Letters	55	68	69	65	86	82	91	137	121	111
Library science	9	21	29	21	22	62	72	83	77	79
Life sciences	86	89	107	98	109	93	109	122	132	133
Mathematics	108	116	125	111	114	56	77	64	86	85
Military sciences	0	0	0	0	0	0	0	0	0	0
Physical sciences	154	174	182	150	176	59	67	104	97	92
Psychology	48	35	43	44	50	81	85	82	117	129
Public affairs and services	112	158	175	146	197	159	179	233	234	211
Social sciences	231	152	184	188	183	97	98	135	139	174
Theology	42	70	107	115	121	17	42	41	45	46
Interdisciplinary studies	27	39	70	70	35	22	39	38	41	45
American Indian/Alaskan Native										
Total	583	517	476	461	459	673	587	610	638	677
Agriculture and natural resources	4	4	6	7	3	2	2	0	4	5
Architecture and environmental design	10	7	3	0	2	0	1	5	7	8
Area and ethnic studies	5	4	5	4	6	3	1	2	5	6
Business and management	189	112	116	127	125	82	58	65	61	78
Communications	3	5	2	4	3	8	7	12	6	3
Computer and information sciences	28	20	38	6	11	13	3	3	1	4
Education	139	120	115	109	112	329	256	266	302	301
Engineering and related technologies	45	58	33	33	37	4	6	5	10	8
Fine and applied arts	17	24	14	17	13	23	23	19	21	13
Foreign languages	1	3	1	1	4	4	1	1	2	2
Health professions	14	12	21	22	23	47	50	58	61	72
Home economics	0	3	1	0	1	11	14	8	4	7
Law	2	3	1	1	1	1	1	2	0	0
Letters	11	11	7	15	8	13	12	16	19	10
Library science	2	1	4	2	1	10	8	14	10	13
Life sciences	8	4	8	7	4	10	7	8	7	9
Mathematics	4	1	5	4	7	3	2	1	2	2
Military sciences	0	0	0	0	0	0	0	0	0	0
Physical sciences	19	7	11	7	9	2	2	6	3	5
Psychology	16	13	11	14	20	21	24	22	25	31
Public affairs and services	33	60	33	44	39	56	84	63	52	66
Social sciences	25	17	31	20	20	18	6	21	27	25
Theology	3	6	4	11	4	2	2	5	3	1
Interdisciplinary studies	5	22	6	6	6	11	17	6	6	8

See footnotes at end of table.

Table 6.--Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Nonresident alien										
Total	19,674	21,455	24,134	24,457	24,416	7,278	8,443	10,080	11,242	12,109
Agriculture and natural resources	666	647	651	645	614	150	151	205	248	250
Architecture and environmental design	473	487	533	529	490	140	157	180	234	187
Area and ethnic studies	61	78	74	91	94	58	55	95	81	94
Business and management	4,604	5,480	5,890	5,895	6,183	1,212	1,721	2,098	2,303	2,484
Communications	191	208	228	242	247	186	226	280	309	403
Computer and information sciences	1,269	1,695	2,093	2,012	2,149	440	522	660	650	677
Education	1,427	1,124	1,161	1,253	980	1,492	1,275	1,407	1,685	1,711
Engineering and related technologies	5,454	5,649	6,740	6,863	6,773	359	462	573	725	864
Fine and applied arts	315	331	358	399	487	345	399	533	507	594
Foreign languages	97	103	128	128	118	151	232	270	267	263
Health professions	426	462	543	490	543	419	450	586	615	696
Home economics	29	27	40	49	39	138	130	137	122	159
Law	336	502	501	496	519	79	166	196	220	208
Letters	291	321	353	417	341	363	388	419	461	512
Library science	44	56	39	60	71	96	144	134	157	213
Life sciences	286	283	373	390	371	188	253	300	358	380
Mathematics	499	572	672	663	683	186	307	359	395	377
Military sciences	2	5	0	0	0	0	0	0	0	0
Physical sciences	890	883	1,015	1,057	1,072	210	235	302	346	438
Psychology	118	95	105	139	104	178	138	173	242	213
Public affairs and services	492	558	664	571	490	212	271	286	288	382
Social sciences	1,323	1,428	1,473	1,549	1,519	502	592	681	755	772
Theology	265	310	335	332	377	81	94	114	142	111
Interdisciplinary studies	116	151	165	187	152	93	75	92	132	121

NOTE: Data for 1984-85 exclude awards to persons whose race/ethnicity could not be imputed. Data for 1989-90 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," 1984-85; and Integrated Postsecondary Education Data System, "Completions" and "Consolidated" surveys, various years.

Table 7.--Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
All fields, total	21,296	22,059	22,597	24,248	24,333	11,011	11,974	13,062	13,865	14,214
Agriculture and natural resources	1,039	871	950	1,038	953	177	177	233	257	232
Architecture and environmental design	66	66	63	73	101	23	26	23	30	34
Area and ethnic studies	83	73	57	71	94	51	59	56	59	73
Business and management	706	836	837	858	923	143	258	312	284	320
Communications	131	163	138	145	151	88	117	115	128	123
Computer and information sciences	216	322	466	534	584	24	52	85	93	92
Education	3,366	3,117	2,887	2,951	2,805	3,666	3,792	3,913	4,040	3,892
Engineering and related technologies	2,972	3,555	4,123	4,536	4,787	202	263	400	445	485
Fine and applied arts	392	447	446	472	466	280	344	306	376	370
Foreign languages	178	184	163	212	230	246	257	257	305	296
Health professions	556	564	609	704	694	616	649	827	832	920
Home economics	78	65	59	90	62	198	232	206	212	193
Law	72	79	47	87	65	17	41	29	24	25
Letters	917	844	902	905	976	749	757	797	819	896
Library science	38	19	27	11	22	45	38	34	31	34
Life sciences	2,259	2,223	2,234	2,394	2,577	1,095	1,194	1,286	1,450	1,516
Mathematics	581	598	700	754	790	105	125	166	163	188
Military sciences	0	0	0	0	0	0	0	0	0	0
Physical sciences	2,836	3,038	3,088	3,356	3,447	546	633	770	808	843
Psychology	1,474	1,427	1,407	1,391	1,328	1,390	1,629	1,815	1,931	2,094
Public affairs and services	235	251	254	278	217	209	198	236	303	268
Social sciences	1,916	2,026	1,949	2,019	1,956	912	889	936	991	1,056
Theology	987	1,103	1,017	1,159	937	103	127	145	153	138
Interdisciplinary studies	198	188	174	210	168	126	117	115	131	126
White, non-Hispanic										
Total	15,017	14,813	14,540	15,104	14,564	8,917	9,622	10,342	10,776	10,764
Agriculture and natural resources	660	526	517	559	490	130	124	159	159	142
Architecture and environmental design	36	28	25	26	45	17	17	9	17	20
Area and ethnic studies	64	54	38	53	59	41	45	45	43	53
Business and management	475	473	488	433	499	114	215	257	226	250
Communications	95	116	98	99	100	69	93	84	95	86
Computer and information sciences	131	178	241	242	273	19	41	56	74	59
Education	2,645	2,412	2,251	2,286	2,180	2,970	3,083	3207	3,284	3,133
Engineering and related technologies	1,264	1,505	1,676	1,820	1,788	113	172	260	264	270
Fine and applied arts	343	387	367	402	387	239	297	255	311	297
Foreign languages	123	117	105	131	137	182	183	180	194	182
Health professions	405	406	422	465	439	519	526	685	655	720
Home economics	56	49	50	65	40	163	176	159	163	147
Law	52	42	15	29	17	16	29	11	2	7
Letters	765	671	720	717	757	643	625	656	675	720
Library science	25	13	15	5	13	30	30	27	23	25
Life sciences	1,839	1,703	1,681	1,716	1,734	886	921	985	1,085	1,030
Mathematics	303	285	319	322	326	69	64	88	75	75
Military sciences	0	0	0	0	0	0	0	0	0	0
Physical sciences	2,042	1,985	1,922	2,060	2,032	389	456	519	518	534
Psychology	1,308	1,289	1,243	1,196	1,140	1,236	1,436	1594	1,693	1,833
Public affairs and services	168	177	168	171	133	167	158	188	252	209
Social sciences	1,262	1,328	1,183	1,244	1,160	707	723	700	729	759
Theology	816	931	860	921	710	87	109	122	130	114
Interdisciplinary studies	140	138	136	142	105	111	99	96	109	99

See footnotes at end of table.

Table 7.--Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Black, non-Hispanic										
Total	581	488	490	533	582	593	572	575	619	630
Agriculture and natural resources	21	13	12	20	14	3	5	3	2	3
Architecture and environmental design	4	4	0	1	1	1	3	2	3	1
Area and ethnic studies	3	2	2	7	8	0	5	1	0	5
Business and management	9	21	16	15	18	5	8	3	3	7
Communications	8	7	2	5	11	10	10	13	12	13
Computer and information sciences	3	1	0	3	0	0	1	1	1	4
Education	184	177	175	172	174	337	291	279	356	305
Engineering and related technologies	35	27	24	27	39	5	3	3	7	8
Fine and applied arts	7	3	8	12	5	8	9	3	7	9
Foreign languages	4	7	5	0	1	5	9	9	2	4
Health professions	15	8	13	19	26	18	25	28	20	33
Home economics	0	2	0	5	3	8	21	12	9	8
Law	2	1	0	0	2	1	2	4	0	0
Letters	16	12	15	10	25	17	23	24	18	26
Library science	2	0	1	0	1	6	1	0	2	4
Life sciences	32	30	34	25	23	21	23	22	19	23
Mathematics	7	8	5	4	6	0	1	3	1	4
Military sciences	0	0	0	0	0	0	0	0	0	0
Physical sciences	26	22	24	18	28	9	4	6	10	10
Psychology	51	35	39	36	50	62	62	74	78	82
Public affairs and services	20	16	18	19	19	20	20	22	19	24
Social sciences	67	57	60	66	62	45	38	45	38	44
Theology	41	34	33	63	59	9	5	11	6	8
Interdisciplinary studies	4	1	4	6	7	3	3	7	6	5
Hispanic										
Total	431	439	350	423	387	246	311	278	365	345
Agriculture and natural resources	16	12	17	12	4	2	3	3	3	1
Architecture and environmental design	1	0	1	2	2	0	0	1	1	0
Area and ethnic studies	7	2	3	2	4	2	0	1	4	2
Business and management	4	6	11	7	3	0	4	2	2	3
Communications	0	7	3	2	0	1	4	2	2	1
Computer and information sciences	2	5	1	1	6	0	1	3	1	0
Education	78	87	68	80	64	85	120	98	84	96
Engineering and related technologies	88	65	36	37	42	1	3	6	5	11
Fine and applied arts	7	8	6	4	5	5	3	2	6	3
Foreign languages	23	11	9	20	20	18	31	21	50	37
Health professions	6	10	6	12	16	10	7	10	21	13
Home economics	0	1	0	0	3	7	5	2	0	1
Law	1	12	0	1	2	0	7	0	4	0
Letters	8	22	16	17	15	10	9	16	17	12
Library science	0	0	0	1	0	1	0	0	2	1
Life sciences	39	36	35	43	34	28	23	15	32	32
Mathematics	16	7	5	4	8	6	2	2	1	5
Military sciences	0	0	0	0	0	0	0	0	0	0
Physical sciences	36	43	43	58	56	7	17	11	17	11
Psychology	27	23	36	58	44	31	48	52	65	70
Public affairs and services	5	16	4	8	3	6	2	6	7	11
Social sciences	50	50	37	38	35	23	18	23	36	31
Theology	12	11	10	12	19	0	0	0	2	2
Interdisciplinary studies	5	5	3	4	2	3	4	2	3	2

See footnotes at end of table.

BEST COPY AVAILABLE

Table 7.--Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Asian or Pacific Islander										
Total	802	795	946	871	987	304	302	378	364	471
Agriculture and natural resources	51	28	22	19	23	6	4	8	12	10
Architecture and environmental design	3	1	4	3	5	1	0	2	0	0
Area and ethnic studies	4	1	0	2	5	3	0	3	5	7
Business and management	31	46	52	47	44	4	4	6	9	12
Communications	1	0	1	4	2	0	1	1	1	6
Computer and information sciences	13	16	36	31	31	1	4	4	1	8
Education	31	59	57	35	39	53	45	68	52	92
Engineering and related technologies	244	240	297	279	341	19	18	26	30	31
Fine and applied arts	4	6	17	10	9	9	12	17	11	17
Foreign languages	3	2	3	2	9	3	2	4	5	5
Health professions	30	23	27	34	30	23	17	17	28	33
Home economics	1	1	2	2	4	4	5	4	4	4
Law	0	0	2	0	7	0	0	0	0	3
Letters	19	11	22	21	25	12	19	14	18	22
Library science	3	2	1	0	0	3	0	2	1	1
Life sciences	79	83	94	91	120	50	66	80	67	86
Mathematics	31	24	23	28	27	5	13	7	9	12
Military sciences	0	0	0	0	0	0	0	0	0	0
Physical sciences	134	129	148	117	140	45	37	35	35	37
Psychology	26	22	26	33	21	25	29	35	27	41
Public affairs and services	5	4	8	8	7	5	5	8	10	3
Social sciences	44	59	68	57	54	23	18	33	32	32
Theology	35	36	32	39	40	6	1	3	4	6
Interdisciplinary studies	10	2	4	9	4	4	2	1	3	3
American Indian/Alaskan Native										
Total	64	58	50	49	58	55	46	35	50	44
Agriculture and natural resources	3	2	0	0	1	0	0	0	0	0
Architecture and environmental design	0	0	1	0	0	0	0	0	0	0
Area and ethnic studies	0	1	0	0	0	0	0	1	2	1
Business and management	3	1	2	2	1	1	1	0	1	1
Communications	0	0	0	0	0	0	0	0	1	0
Computer and information sciences	1	1	0	1	1	0	0	0	0	0
Education	19	25	11	14	22	32	24	14	22	15
Engineering and related technologies	6	3	3	5	6	1	0	0	0	1
Fine and applied arts	1	0	1	1	0	1	2	1	1	2
Foreign languages	1	0	0	1	0	1	0	0	0	0
Health professions	5	1	1	1	1	2	2	1	8	2
Home economics	0	0	0	0	0	0	0	0	2	1
Law	0	0	0	0	0	0	0	0	0	0
Letters	0	3	3	3	1	4	3	0	2	2
Library science	0	1	0	0	0	0	0	0	0	0
Life sciences	2	4	6	4	4	2	1	4	0	1
Mathematics	0	1	0	0	0	0	0	1	0	1
Military sciences	0	0	0	0	0	0	0	0	0	0
Physical sciences	9	3	9	5	7	3	0	4	0	2
Psychology	4	6	3	8	5	1	10	5	8	11
Public affairs and services	3	2	0	0	1	0	0	1	0	1
Social sciences	4	2	8	1	7	6	2	2	3	3
Theology	3	2	2	3	1	0	0	0	0	0
Interdisciplinary studies	0	0	0	0	0	1	1	1	0	0

See footnotes at end of table.

Table 7.--Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Nonresident alien										
Total	4,421	5,466	6,221	7,268	7,755	896	1,121	1,454	1,691	1,960
Agriculture and natural resources	288	290	382	428	421	36	41	60	81	76
Architecture and environmental design	22	33	32	41	48	4	6	9	9	13
Area and ethnic studies	5	13	14	7	18	5	9	5	5	5
Business and management	184	289	268	354	358	19	26	44	43	47
Communications	27	33	34	35	38	8	9	15	17	17
Computer and information sciences	66	121	188	256	273	4	5	21	16	21
Education	409	357	325	364	326	189	229	247	242	251
Engineering and related technologies	1,335	1,715	2087	2,368	2,571	63	67	105	139	164
Fine and applied arts	30	43	47	43	60	18	21	28	40	42
Foreign languages	24	47	41	58	63	37	32	43	54	68
Health professions	95	116	140	173	182	44	72	86	100	119
Home economics	21	12	7	18	12	16	25	29	34	32
Law	17	24	30	57	37	0	3	14	18	15
Letters	109	125	126	137	153	63	78	87	89	114
Library science	8	3	10	5	8	5	7	5	3	3
Life sciences	268	367	384	515	662	108	160	180	247	344
Mathematics	224	273	348	396	423	25	45	65	77	91
Military sciences	0	0	0	0	0	0	0	0	0	0
Physical sciences	589	856	942	1,096	1,184	93	119	195	228	249
Psychology	58	52	60	60	68	35	44	55	60	57
Public affairs and services	34	36	56	72	54	11	13	11	15	20
Social sciences	489	530	593	613	638	108	90	133	153	187
Theology	80	89	80	121	108	1	12	9	11	8
Interdisciplinary studies	39	42	27	49	50	4	8	8	10	17

NOTE: Data for 1984-85 exclude awards to persons whose race/ethnicity could not be imputed. Data for 1989-90 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," 1984-85; and Integrated Postsecondary Education Data System, "Completions" and "Consolidated" surveys, various years.

Table 8.--First-professional degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
All fields, total	47,501	46,522	45,046	43,778	43,601	23,556	25,095	25,810	26,966	27,914
Dentistry (D.D.S. or D.M.D.)	3,744	3,602	3,124	2,834	2,510	988	1,137	1,141	1,266	1,189
Medicine (M.D.)	10,363	10,431	10,310	9,923	9,629	4,609	4,998	5,150	5,152	5,414
Optometry (O.D.)	812	697	683	648	625	302	385	410	426	490
Osteopathic Medicine (D.O.)	1,138	1,206	1,172	1,116	1,029	353	412	463	439	430
Pharmacy (Pharm.D.)	330	351	422	483	475	318	510	652	716	769
Podiatry (Pod.D., D.P. or D.P.M.)	464	468	487	493	445	118	123	149	182	144
Veterinary Medicine (D.V.M.)	1,134	1,150	981	899	870	1,043	1,080	1,176	1,252	1,162
Chiropractic (D.C. or D.C.M.)	2,072	1,864	2,159	1,906	1,992	589	629	731	675	648
Law (LL.B. or J.D.)	22,120	21,561	21,069	21,079	21,643	13,928	14,495	14,565	15,406	16,302
Theology (M.Div., M.H.L., B.D., or Ord.)	5,294	5,192	4,639	4,399	4,360	1,291	1,326	1,373	1,452	1,335
Other	32	0	0	0	23	17	0	0	0	31
White, non-Hispanic										
Total	42,630	41,149	39,399	37,850	37,348	20,589	21,539	21,815	22,390	22,979
Dentistry (D.D.S. or D.M.D.)	3,267	3,006	2,492	2,213	1,899	761	850	791	812	758
Medicine (M.D.)	9,051	9,003	8,701	8,172	7,786	3,864	4,134	4,079	3,929	4,061
Optometry (O.D.)	722	625	606	567	535	257	318	330	347	383
Osteopathic Medicine (D.O.)	1,073	1,132	1,059	1,025	925	327	366	411	396	366
Pharmacy (Pharm.D.)	243	236	288	344	346	213	295	445	485	524
Podiatry (Pod.D., D.P. or D.P.M.)	425	423	427	419	354	92	98	114	133	106
Veterinary Medicine (D.V.M.)	1,078	1,035	924	850	808	994	1,017	1,105	1,171	1,069
Chiropractic (D.C. or D.C.M.)	1,932	1,723	1,958	1,707	1,796	551	575	656	591	571
Law (LL.B. or J.D.)	20,268	19,528	19,011	18,900	19,307	12,369	12,714	12,688	13,282	13,995
Theology (M.Div., M.H.L., B.D., or Ord.)	4,540	4,438	3,933	3,653	3,574	1,144	1,172	1,196	1,244	1,121
Other	31	0	0	0	18	17	0	0	0	25
Black, non-Hispanic										
Total	1,623	1,835	1,618	1,672	1,672	1,406	1,585	1,530	1,738	1,903
Dentistry (D.D.S. or D.M.D.)	101	169	102	101	102	76	93	81	84	103
Medicine (M.D.)	399	437	385	419	382	331	349	408	456	500
Optometry (O.D.)	7	8	16	10	6	7	10	14	14	11
Osteopathic Medicine (D.O.)	18	7	26	10	8	11	19	14	4	9
Pharmacy (Pharm.D.)	16	37	19	13	20	14	75	32	24	41
Podiatry (Pod.D., D.P. or D.P.M.)	17	18	21	29	32	18	15	19	25	20
Veterinary Medicine (D.V.M.)	14	12	11	20	17	22	17	21	23	27
Chiropractic (D.C. or D.C.M.)	13	16	15	17	18	9	10	9	11	12
Law (LL.B. or J.D.)	733	822	780	779	802	828	913	840	955	1,058
Theology (M.Div., M.H.L., B.D., or Ord.)	305	309	243	274	285	90	84	92	142	122
Other	0	0	0	0	0	0	0	0	0	0
Hispanic										
Total	1,239	1,303	1,374	1,450	1,506	645	748	895	977	1,021
Dentistry (D.D.S. or D.M.D.)	90	120	131	148	150	33	49	68	96	85
Medicine (M.D.)	327	319	372	358	374	152	165	197	196	204
Optometry (O.D.)	20	20	12	17	16	8	9	15	10	18
Osteopathic Medicine (D.O.)	13	17	37	25	26	5	8	19	14	25
Pharmacy (Pharm.D.)	5	16	14	14	25	7	26	17	26	33
Podiatry (Pod.D., D.P. or D.P.M.)	5	8	12	15	22	5	3	3	7	6
Veterinary Medicine (D.V.M.)	20	73	25	17	21	14	17	19	28	35
Chiropractic (D.C. or D.C.M.)	34	28	55	50	44	8	11	18	23	11
Law (LL.B. or J.D.)	621	610	645	713	746	398	444	515	561	590
Theology (M.Div., M.H.L., B.D., or Ord.)	104	92	71	93	81	15	16	24	16	13
Other	0	0	0	0	1	0	0	0	0	1

Table 8.--First-professional degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1984-85 through 1990-91--Continued

Field of study and race/ethnicity	Men					Women				
	1984-85	1986-87	1988-89	1989-90	1990-91	1984-85	1986-87	1988-89	1989-90	1990-91
Asian or Pacific Islander										
Total	1,152	1,420	1,819	1,963	2,178	664	850	1,157	1,399	1,577
Dentistry (D.D.S. or D.M.D.)	200	218	292	253	256	89	101	137	198	190
Medicine (M.D.)	391	534	742	857	966	192	271	402	493	574
Optometry (O.D.)	51	33	37	39	50	26	41	42	46	68
Osteopathic Medicine (D.O.)	23	31	38	46	59	8	14	15	19	24
Pharmacy (Pharm.D.)	35	27	81	84	63	61	83	131	145	147
Podiatry (Pod.D., D.P. or D.P.M.)	12	8	11	27	25	3	4	7	13	9
Veterinary Medicine (D.V.M.)	12	11	7	8	13	8	13	22	19	19
Chiropractic (D.C. or D.C.M.)	25	25	37	47	40	6	5	15	18	18
Law (LL.B. or J.D.)	323	393	429	448	515	265	301	366	433	499
Theology (M.Div., M.H.L., B.D., or Ord.)	80	140	145	154	190	6	17	20	15	29
Other	0	0	0	0	1	0	0	0	0	0
American Indian/Alaskan Native										
Total	176	183	148	135	144	72	121	116	122	117
Dentistry (D.D.S. or D.M.D.)	22	11	7	3	6	9	2	6	6	8
Medicine (M.D.)	64	36	31	30	33	25	30	30	24	21
Optometry (O.D.)	1	3	3	2	4	1	1	1	0	3
Osteopathic Medicine (D.O.)	6	10	8	7	10	2	3	1	5	2
Pharmacy (Pharm.D.)	1	6	1	5	5	0	0	1	0	1
Podiatry (Pod.D., D.P. or D.P.M.)	2	2	2	0	2	0	0	0	1	1
Veterinary Medicine (D.V.M.)	5	16	8	3	2	1	15	6	8	8
Chiropractic (D.C. or D.C.M.)	4	3	4	6	4	2	1	0	1	1
Law (LL.B. or J.D.)	69	84	80	68	71	30	68	62	73	67
Theology (M.Div., M.H.L., B.D., or Ord.)	2	12	4	11	7	2	1	9	4	4
Other	0	0	0	0	0	0	0	0	0	1
Nonresident alien										
Total	681	632	688	708	753	180	252	297	340	317
Dentistry (D.D.S. or D.M.D.)	64	78	100	116	97	20	42	58	70	45
Medicine (M.D.)	131	102	79	87	88	45	49	34	54	54
Optometry (O.D.)	11	8	9	11	14	3	6	8	9	7
Osteopathic Medicine (D.O.)	3	9	4	3	1	0	2	3	1	4
Pharmacy (Pharm.D.)	30	29	19	23	16	23	31	26	36	23
Podiatry (Pod.D., D.P. or D.P.M.)	3	9	14	3	10	0	3	6	3	2
Veterinary Medicine (D.V.M.)	5	3	6	1	9	4	1	3	3	4
Chiropractic (D.C. or D.C.M.)	64	69	90	79	90	13	27	33	31	35
Law (LL.B. or J.D.)	106	124	124	171	202	38	55	94	102	93
Theology (M.Div., M.H.L., B.D., or Ord.)	263	201	243	214	223	34	36	32	31	46
Other	1	0	0	0	3	0	0	0	0	4

NOTE: Data for 1984-85 exclude awards to persons whose race/ethnicity could not be imputed. Data for 1989-90 have been revised from previously published figures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," 1984-85, and Integrated Postsecondary Education Data System, "Completions" and "Consolidated" surveys, various years.

Appendices

Appendix A.—Crosswalk of selected fields of study with IPEDS discipline divisions[1]

Field of study	IPEDS Discipline division
Agriculture and natural resources	Agribusiness and agricultural production Agricultural science Renewable natural resources
Business and management	Business and management Business (Administrative support) Marketing and distribution Consumer, personal, and miscellaneous services
Communications	Communications Communications technologies
Engineering and related technologies	Engineering Engineering and engineering related technologies Construction trades Mechanics and repairers
Fine and applied arts	Visual and performing arts Precision production
Health professionals	Allied health Health sciences
Home economics	Home economics Vocational home economics
Letters	Letters Philosophy and religion
Military sciences	Military sciences Military technologies
Physical sciences	Physical sciences Science technologies
Public affairs and services	Public affairs Parks and recreation Protective services Transportation and material moving
Interdisciplinary studies	Multi/interdisciplinary studies Liberal/general studies

[1] For use in analyzing data presented in Tables 3 through 7.

Appendix B.--Degrees conferred by institutions of higher education, by control of institution, level of degree, and state: 50 states and District of Columbia, 1990–91

State	Public institutions				Private institutions			
	Associate's degrees	Bachelor's degrees	Master's degrees	Doctor's degrees	Associate's degrees	Bachelor's degrees	Master's degrees	Doctor's degrees
50 states and DC *	398,055	724,062	193,057	25,681	83,665	370,476	144,111	13,613
Alabama **	15,356	15,567	4,711	390	810	2,741	451	2
Alaska	541	969	246	10	95	179	48	0
Arizona	4,577	12,244	3,614	668	1,489	5,824	3,983	0
Arkansas	2,037	6,234	1,544	123	704	1,495	105	0
California **	52,817	76,744	17,353	2,350	4,126	23,740	17,803	2,206
Colorado **	4,059	15,038	3,879	587	2,104	2,667	1,362	128
Connecticut **	3,659	7,706	2,251	228	1,099	7,130	4,030	382
Delaware	879	3,379	590	133	425	629	219	0
District of Columbia	213	564	230	0	112	7,050	4,998	456
Florida	31,512	26,404	6,242	760	4,364	12,523	5,053	489
Georgia	5,446	16,452	5,207	632	2,492	5,870	1,359	195
Hawaii	2,028	2,721	835	143	289	990	251	1
Idaho	1,067	2,874	731	76	2,050	262	47	0
Illinois	22,088	29,632	8,768	1,246	2,376	20,876	11,180	1,203
Indiana	7,395	19,632	5,124	916	1,456	9,254	1,719	112
Iowa	7,092	9,560	2,376	668	987	7,436	792	26
Kansas	5,302	10,646	3,113	369	519	2,389	289	0
Kentucky	4,148	10,298	3,309	224	1,611	2,675	659	100
Louisiana	2,111	13,133	2,806	295	755	3,176	1,294	122
Maine	1,401	2,946	725	33	717	2,281	129	0
Maryland **	7,154	16,182	3,512	527	502	4,003	3,412	311
Massachusetts	8,606	14,678	3,232	452	4,724	29,809	15,782	1,720
Michigan	19,285	34,620	12,566	1,445	3,137	9,593	1,573	42
Minnesota	7,091	15,581	3,245	706	917	8,038	1,340	117
Mississippi	4,527	7,711	2,119	331	592	1,395	392	9
Missouri	5,328	14,582	3,775	353	2,235	10,335	5,015	290
Montana	721	3,475	748	56	169	397	5	0
Nebraska	2,639	6,291	1,500	215	326	2,654	191	4
Nevada	952	2,347	613	36	61	26	0	0
New Hampshire	1,590	3,454	662	39	1,067	3,674	1,367	50
New Jersey	9,884	16,896	4,706	408	819	6,728	2,832	408
New Mexico	2,330	4,935	1,835	232	149	307	81	0
New York **	38,838	39,631	12,218	1,267	12,027	54,142	26,861	2,752
North Carolina	10,127	19,844	4,751	680	1,342	8,951	1,434	192
North Dakota	1,765	3,953	527	63	19	534	60	0
Ohio **	14,961	32,448	9,532	1,476	3,485	16,351	4,303	286
Oklahoma	5,346	11,657	2,920	352	1,029	2,410	797	28
Oregon	4,508	9,645	2,513	395	336	3,318	884	41
Pennsylvania	12,041	30,718	7,033	1,112	7,843	31,466	8,578	1,008
Rhode Island	1,353	3,242	912	96	2,577	5,911	1,072	174
South Carolina	4,251	10,340	3,418	346	846	3,910	517	24
South Dakota	493	2,859	709	47	413	821	72	2
Tennessee	4,239	11,777	3,381	397	2,478	6,286	1,335	245
Texas	19,712	51,733	14,726	2,031	1,809	13,379	4,068	273
Utah	3,596	6,089	1,400	262	503	5,251	1,052	94
Vermont	539	2,457	387	48	688	2,096	679	0
Virginia	7,722	21,745	6,353	855	1,161	7,215	1,560	19
Washington	12,870	14,268	3,256	632	2,376	4,933	1,944	24
West Virginia	1,949	6,467	1,588	110	683	1,066	119	0
Wisconsin	8,456	20,053	4,962	794	593	6,290	1,015	78
Wyoming	1,454	1,641	304	67	179	0	0	0

* Includes degrees reported in undesignated fields which are not included in Tables 1 through 8 of this report.
** Includes data for U.S. Service Schools located in state.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, "Completions" survey 1990–91 and "Consolidated" survey 1991.

Appendix C.--Degrees conferred by institutions of higher education, by level of degree, sex of recipient and state: 50 states and District of Columbia, 1990-91

State	Associate's Degrees			Bachelor's Degrees			Master's Degrees			Doctor's Degrees		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
50 states and DC *	481,720	198,634	283,086	1,094,538	504,045	590,493	337,168	156,482	180,686	39,294	24,756	14,538
Alabama **	16,166	10,616	5,550	18,308	8,153	10,155	5,162	2,035	3,127	392	228	164
Alaska	636	241	395	1,148	443	705	294	156	138	10	9	1
Arizona	6,066	2,992	3,074	18,068	9,430	8,638	7,597	4,055	3,542	668	456	212
Arkansas	2,741	1,003	1,738	7,729	3,352	4,377	1,649	641	1,008	123	82	41
California **	56,943	22,382	34,561	100,484	46,786	53,698	35,156	17,747	17,409	4,556	2,897	1,659
Colorado **	6,163	2,768	3,395	17,705	8,804	8,901	5,241	2,667	2,574	715	468	247
Connecticut **	4,758	1,626	3,132	14,836	6,718	8,118	6,281	2,808	3,473	610	367	243
Delaware	1,304	417	887	4,008	1,642	2,366	809	333	476	133	94	39
District of Columbia	325	138	187	7,614	3,260	4,354	5,228	2,669	2,559	456	258	198
Florida	35,876	14,990	20,886	38,927	18,289	20,638	11,295	5,292	6,003	1,249	728	521
Georgia	7,938	3,184	4,754	22,322	9,998	12,324	6,566	2,955	3,611	827	530	297
Hawaii	2,317	1,001	1,316	3,711	1,661	2,050	1,086	494	592	144	88	56
Idaho	3,117	1,250	1,867	3,136	1,505	1,631	778	370	408	76	47	29
Illinois	24,464	9,918	14,546	50,508	23,687	26,821	19,948	9,445	10,503	2,449	1,583	866
Indiana	8,851	4,376	4,475	28,886	13,924	14,962	6,843	3,454	3,389	1,028	678	350
Iowa	8,079	3,557	4,522	16,996	8,044	8,952	3,168	1,558	1,610	694	477	217
Kansas	5,821	2,307	3,514	13,035	6,063	6,972	3,402	1,412	1,990	369	230	139
Kentucky	5,759	1,840	3,919	12,973	5,623	7,350	3,968	1,520	2,448	324	230	94
Louisiana	2,866	1,131	1,735	16,309	7,171	9,138	4,100	1,746	2,354	417	264	153
Maine	2,118	757	1,361	5,227	2,225	3,002	854	352	502	33	21	12
Maryland **	7,656	2,821	4,835	20,185	9,284	10,901	6,924	3,197	3,727	838	476	362
Massachusetts	13,330	4,594	8,736	44,487	19,690	24,797	19,014	8,639	10,375	2,172	1,386	786
Michigan	22,422	8,407	14,015	44,213	20,228	23,985	14,139	6,772	7,367	1,487	951	536
Minnesota	8,008	3,162	4,846	23,619	10,472	13,147	4,585	1,966	2,619	823	520	303
Mississippi	5,119	1,623	3,496	9,106	3,834	5,272	2,511	1,016	1,495	340	212	128
Missouri	7,563	3,281	4,282	24,917	11,531	13,386	8,790	4,446	4,344	643	405	238
Montana	890	286	604	3,872	1,914	1,958	753	370	383	56	37	19
Nebraska	2,965	1,521	1,444	8,945	4,118	4,827	1,691	676	1,015	219	121	98
Nevada	1,013	367	646	2,373	1,062	1,311	613	266	347	36	24	12
New Hampshire	2,657	1,060	1,597	7,128	3,305	3,823	2,029	954	1,075	89	57	32
New Jersey	10,703	3,985	6,718	23,624	10,537	13,087	7,538	3,739	3,799	816	529	287
New Mexico	2,479	940	1,539	5,242	2,439	2,803	1,916	830	1,086	232	152	80
New York **	50,865	20,262	30,603	93,773	43,739	50,034	39,079	16,245	22,834	4,019	2,382	1,637
North Carolina	11,469	3,923	7,546	28,795	12,695	16,100	6,185	2,695	3,490	872	534	338
North Dakota	1,784	841	943	4,467	2,161	2,306	587	296	291	63	41	22
Ohio **	18,446	7,354	11,092	48,799	22,662	26,137	13,835	6,529	7,306	1,762	1,082	680
Oklahoma	6,375	2,665	3,710	14,067	6,647	7,420	3,717	1,763	1,954	380	226	154
Oregon	4,844	2,207	2,637	12,963	6,223	6,740	3,397	1,597	1,800	436	304	132
Pennsylvania	19,884	9,044	10,840	62,184	28,957	33,227	15,611	7,484	8,127	2,120	1,355	765
Rhode Island	3,930	2,086	1,844	9,153	4,294	4,859	1,984	990	994	270	168	102
South Carolina	5,097	2,001	3,096	14,250	6,297	7,953	3,935	1,536	2,399	370	237	133
South Dakota	906	176	730	3,680	1,682	1,998	781	377	404	49	32	17
Tennessee	6,717	3,019	3,698	18,063	8,228	9,835	4,716	1,916	2,800	642	352	290
Texas	21,521	8,859	12,662	65,112	29,479	35,633	18,794	9,185	9,609	2,304	1,468	836
Utah	4,099	1,723	2,376	11,340	6,120	5,220	2,452	1,480	972	356	260	96
Vermont	1,227	473	754	4,553	2,051	2,502	1,066	398	668	48	28	20
Virginia	8,883	3,220	5,663	28,960	12,593	16,367	7,913	3,578	4,335	874	536	338
Washington	15,246	7,027	8,219	19,201	8,855	10,346	5,200	2,303	2,897	656	430	226
West Virginia	2,632	870	1,762	7,533	3,473	4,060	1,707	696	1,011	110	71	39
Wisconsin	9,049	3,638	5,411	26,343	11,882	14,461	5,977	2,673	3,304	872	598	274
Wyoming	1,633	705	928	1,641	795	846	304	161	143	67	47	20

* Includes degrees reported in undesignated fields which are not included in Tables 1 through 8 of this report.
** Includes data for U.S. Service Schools located in state.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, "Completions" survey 1990-91 and "Consolidated" survey 1991.

Appendix D.--Degrees conferred by institutions of higher education, by control of institution, level of degree, and field of study: 50 states and District of Columbia, 1990-91

Field of study	Public institutions				Private institutions			
	Associate's degrees	Bachelor's degrees	Master's degrees	Doctor's degrees	Associate's degrees	Bachelor's degrees	Master's degrees	Doctor's degrees
All fields *	398,055	724,062	193,057	25,681	83,665	370,476	144,111	13,613
Agribusiness and Agricultural Production	2,754	4,335	648	203	151	209	33	6
Agricultural Sciences	794	5,295	1,594	745	85	184	12	0
Renewable Natural Resources	1,044	2,983	850	223	82	118	158	8
Architecture and Environmental Design	913	7,090	2,353	79	1,118	2,691	1,137	56
Area and Ethnic Studies	15	1,944	708	95	4	2,679	542	72
Business and Management	38,782	151,818	32,317	879	10,399	90,013	46,128	364
Business (Administrative Support)	32,196	1,655	3	0	8,150	636	78	0
Marketing and Distribution	7,371	3,714	42	0	5,352	2,019	113	0
Communications	1,360	36,240	2,437	210	487	15,410	1,686	49
Communications Technologies	1,751	616	58	2	258	533	155	13
Computer and Information Sciences	5,573	15,936	4,657	459	2,104	9,147	4,667	217
Consumer, Personal and Misc. Services	528	74	0	0	200	31	0	0
Education	6,826	86,962	61,343	5,126	969	24,048	27,561	1,571
Engineering	1,963	45,368	15,909	3,542	497	16,264	8,075	1,720
Engineering and Engineering Related Tech	26,929	12,022	759	10	13,330	4,986	216	0
Foreign Languages	183	7,232	1,494	311	144	4,863	579	215
Allied Health	21,767	8,504	1,894	19	3,069	3,991	2,081	113
Health Sciences	41,575	30,864	10,930	1,091	4,408	15,909	6,323	391
Home Economics	658	12,742	1,409	216	796	1,422	524	17
Vocational Home Economics	6,336	595	51	9	3,089	715	37	13
Law	4,038	1,076	342	8	1,446	682	1,715	82
Letters	441	34,277	5,914	1,023	32	18,603	1,896	393
Liberal/General Studies	125,456	17,178	782	20	12,448	9,514	954	16
Library and Archival Sciences	107	79	3,986	48	9	14	819	8
Life Sciences	1,074	25,162	3,526	2,889	45	14,368	1,239	1,204
Mathematics	630	9,618	2,938	668	40	5,043	677	310
Military Sciences	0	259	0	0	15	14	0	0
Military Technologies	23	0	0	0	47	145	0	0
Multi/Interdisciplinary Studies	12,058	15,845	1,446	181	209	5,808	1,102	77
Parks and Recreation	356	3,623	345	26	59	439	48	1
Philosophy and Religion	27	2,493	378	173	62	4,822	1,063	283
Theology	1	1	0	0	577	4,812	4,508	1,075
Physical Sciences	1,217	10,405	3,957	3,045	32	5,846	1,309	1,236
Science Technologies	866	33	41	6	70	60	2	3
Psychology	874	38,521	4,486	1,669	123	19,930	5,245	1,753
Protective Services	13,110	13,600	708	27	454	3,206	400	1
Public Affairs	2,415	10,496	11,507	223	388	4,093	6,621	207
Social Sciences	2,221	78,234	7,514	1,857	284	46,659	4,555	1,155
Construction Trades	1,353	17	0	0	440	7	0	0
Mechanics and Repairers	6,526	161	0	0	1,059	39	0	0
Precision Production	7,308	419	4	0	2,354	114	0	0
Transportation and Material Moving	2,296	1,156	53	0	313	1,231	353	0
Visual and Performing Arts	2,263	23,727	5,176	542	2,854	17,594	3,475	294
Undesignated Fields	14,077	1,693	498	57	5,613	11,565	8,025	690

NOTE.--Data represent programs, not organizational units within institutions.

* Includes degrees reported in undesignated fields which are not included in Tables 1 through 8 of this report.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, "Completions" survey 1990-91 and "Consolidated" survey 1991.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990–91

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
	Total all fields **	1,952,720	481,720	1,094,538	337,168	39,294
01.0000	Agribusiness and Agricultural Production	8,339	2,905	4,544	681	209
01.0101	Agricultural Business and Management, General	737	400	289	45	3
01.0102	Agricultural Business	1,213	120	1,072	21	0
01.0103	Agricultural Economics	2,360	3	1,741	451	165
01.0104	Farm and Ranch Management	178	99	74	5	0
01.0199	Agricultural Business and Management, Other	106	59	41	6	0
01.0201	Agricultural Mechanics, General	231	47	177	7	0
01.0204	Agricultural Power Machinery	76	72	4	0	0
01.0205	Agricultural Structures, Equipment and Facilities	11	2	9	0	0
01.0206	Soil and Water Mechanical Practices	7	1	4	0	2
01.0299	Agricultural Mechanics, Other	30	6	22	2	0
01.0301	Agricultural Production, General	346	304	38	4	0
01.0302	Animal Production	170	129	39	2	0
01.0303	Aquaculture	46	2	19	16	9
01.0304	Crop Production	38	28	2	5	3
01.0305	Game Farm Management	23	0	23	0	0
01.0399	Agricultural Production, Other	22	19	0	3	0
01.0401	Agricultural Products and Processing, General	38	4	19	7	8
01.0402	Food Products	32	22	10	0	0
01.0499	Agricultural Products and Processing, Other	9	0	9	0	0
01.0501	Agricultural Services and Supplies, General	110	110	0	0	0
01.0502	Agricultural Services	40	35	5	0	0
01.0503	Agricultural Supplies Marketing	26	26	0	0	0
01.0504	Pet Grooming	17	17	0	0	0
01.0505	Animal Training	16	5	11	0	0
01.0506	Horseshoeing	2	2	0	0	0
01.0507	Horse Handling and Care	158	115	43	0	0
01.0599	Agricultural Services and Supplies, Other	5	5	0	0	0
01.0601	Horticulture, General	620	451	124	36	9
01.0603	Ornamental Horticulture	505	303	186	13	3
01.0604	Greenhouse Operation and Management	27	27	0	0	0
01.0605	Landscaping	288	214	74	0	0
01.0606	Nursery Operation and Management	46	45	1	0	0
01.0607	Turf Management	123	121	2	0	0
01.0699	Horticulture, Other	32	30	1	0	1
01.0701	International Agriculture	26	0	14	12	0
01.9999	Agribusiness and Agricultural Production, Other	625	82	491	46	6
02.0000	Agricultural Sciences	8,709	879	5,479	1,606	745
02.0101	Agricultural Sciences, General	1,383	277	908	192	6
02.0201	Animal Sciences, General	2,800	128	2,217	309	146
02.0202	Animal Breeding and Genetics	40	11	17	9	3
02.0203	Animal Health	162	122	14	16	10
02.0204	Animal Nutrition	12	0	0	6	6
02.0206	Dairy	191	20	127	31	13
02.0208	Livestock	80	80	0	0	0
02.0209	Poultry	152	22	104	14	12
02.0299	Animal Sciences, Other	285	45	195	31	14
02.0301	Food Sciences	902	14	471	294	123
02.0401	Plant Sciences, General	334	25	208	72	29
02.0402	Agronomy	922	22	436	294	170
02.0403	Horticulture Science	737	52	471	141	73
02.0408	Plant Protection (Pest Management)	42	2	20	18	2
02.0409	Range Management	155	2	85	46	22
02.0499	Plant Sciences, Other	148	44	51	32	21
02.0501	Soil Sciences	271	4	97	83	87
02.9999	Agricultural Sciences, Other	93	9	58	18	8

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
03.0000	Renewable Natural Resources	5,466	1,126	3,101	1,008	231
03.0101	Renewable Natural Resources, General	1,330	163	834	288	45
03.0201	Conservation and Regulation, General	240	104	135	1	0
03.0202	Conservation	164	47	93	23	1
03.0203	Resources Protection and Regulation	28	16	0	12	0
03.0299	Conservation and Regulation, Other	9	7	2	0	0
03.0301	Fishing and Fisheries	302	42	156	77	27
03.0401	Forestry Production and Processing, General	334	194	106	22	12
03.0403	Forest Products Utilization	39	38	1	0	0
03.0404	Forest Products Processing Technology	56	37	19	0	0
03.0499	Forestry Production and Processing, Other	134	46	85	3	0
03.0501	Forestry and Related Sciences, General	827	64	397	283	83
03.0502	Forestry Science	165	27	79	49	10
03.0504	Forest Engineering	47	1	38	8	0
03.0506	Forest Management	253	65	135	41	12
03.0509	Wood Science	87	11	60	12	4
03.0599	Forestry and Related Sciences, Other	160	9	123	20	8
03.0601	Wildlife Management	1,050	232	661	140	17
03.9999	Renewable Natural Resources, Other	241	23	177	29	12
04.0000	Architecture and Environmental Design	15,437	2,031	9,781	3,490	135
04.0101	Architecture and Environmental Design, General	706	23	567	109	7
04.0201	Architecture	6,489	83	4,636	1,731	39
04.0301	City, Community, and Regional Planning	1,601	0	429	1,097	75
04.0401	Environmental Design	863	32	759	67	5
04.0501	Interior Design	3,924	1,880	2,016	25	3
04.0601	Landscape Architecture	1,231	8	928	293	2
04.0701	Urban Design	66	0	0	66	0
04.0801	Land Use Management and Reclamation	5	0	0	2	3
04.9999	Architecture and Environmental Design, Other	552	5	446	100	1
05.0000	Area and Ethnic Studies	6,059	19	4,623	1,250	167
05.0101	African Studies	59	0	37	17	5
05.0102	American Studies	1,727	3	1,426	212	86
05.0103	Asian Studies, General	582	0	442	135	5
05.0104	East Asian Studies	603	0	454	140	9
05.0105	Eastern European Studies	103	0	95	8	0
05.0106	European Studies, General	224	0	224	0	0
05.0107	Latin American Studies	490	0	321	163	6
05.0108	Middle Eastern Studies	126	0	50	60	16
05.0109	Pacific Area Studies	3	0	0	3	0
05.0110	Russian and Slavic Studies	394	0	269	124	1
05.0111	Scandanavian Studies	16	0	10	6	0
05.0112	South Asian Studies	23	0	14	8	1
05.0113	Southeast Asian Studies	10	0	9	1	0
05.0114	Western European Studies	85	0	31	54	0
05.0115	Canadian Studies	30	0	30	0	0
05.0199	Area Studies, Other	614	1	506	98	9
05.0201	Afro-American (Black) Studies	332	6	274	48	4
05.0202	American Indian Studies	34	5	22	7	0
05.0203	Hispanic-American Studies	87	1	74	12	0
05.0204	Islamic Studies	8	0	0	5	3
05.0205	Jewish Studies	138	0	108	25	5
05.0299	Ethnic Studies, Other	92	1	64	17	10
05.9999	Area and Ethnic Studies, Other	279	2	163	107	7
06.0000	Business and Management	370,700	49,181	241,831	78,445	1,243
06.0101	Business and Management, General	66,328	11,618	40,110	14,373	227
06.0201	Accounting	53,841	4,627	45,610	3,566	38
06.0301	Banking and Finance	30,005	341	24,466	5,145	53

See footnotes at end of appendix.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
06.0401	Business Administration and Management, General	128,576	23,145	67,001	37,848	582
06.0402	Contract Management and Procurement / Purchasing	1,065	105	594	366	0
06.0403	Product Management	748	14	499	223	12
06.0499	Business Administration and Management, Other	5,346	1,305	2,422	1,613	6
06.0501	Business Economics	3,872	2	3,613	222	35
06.0601	Human Resources Development	3,788	18	2,928	832	10
06.0701	Hotel / Motel Management	5,746	1,802	3,776	165	3
06.0702	Recreational Enterprises Management	356	43	276	37	0
06.0703	Resort Management	90	83	7	0	0
06.0704	Restaurant Management	622	461	152	9	0
06.0705	Transportation Management	1,042	105	869	68	0
06.0799	Institutional Management, Other	1,952	448	1,308	196	0
06.0801	Insurance and Risk Management	639	10	570	54	5
06.0901	International Business Management	3,972	34	1,812	2,110	16
06.1001	Investments and Securities	823	32	512	279	0
06.1101	Labor/Industrial Relations	1,990	147	1,101	723	19
06.1201	Management Information Systems	4,860	442	3,117	1,290	11
06.1302	Operations Research (Quantitative Methods)	1,467	0	917	492	58
06.1303	Management Science, General	1,070	174	642	244	10
06.1399	Management Science, Other	1,476	91	993	376	16
06.1401	Marketing Management	31,314	1,418	27,813	2,038	45
06.1402	Marketing Research	170	0	136	32	2
06.1499	Marketing Management and Research, Other	1,836	27	1,508	298	3
06.1501	Organizational Behavior	979	2	761	191	25
06.1601	Personnel Management	1,918	30	1,593	291	4
06.1701	Real Estate	1,559	537	774	243	5
06.1801	Small Business Management and Ownership	615	482	120	13	0
06.1901	Taxation	1,179	0	0	1,179	0
06.2001	Trade and Industrial Supervision/Management	1,504	591	842	71	0
06.2101	Computer Installation Mgmt.	7	0	7	0	0
06.9999	Business and Management, Other	9,945	1,047	4,982	3,858	58
07.0000	Business (Administrative Support)	42,718	40,346	2,291	81	0
07.0101	Accounting, Bookkeeping, and Related Programs, General	7,320	7,214	106	0	0
07.0102	Accounting and Computing	2,689	2,545	144	0	0
07.0103	Bookkeeping	149	149	0	0	0
07.0104	Machine Billing, Bookkeeping, and Computing	0	0	0	0	0
07.0199	Accounting, Bookkeeping, and Related Programs, Other	87	42	0	45	0
07.0201	Banking and Related Financial Programs, General	572	547	25	0	0
07.0203	Insurance Clerk	7	7	0	0	0
07.0299	Banking and Related Financial Programs, Other	54	46	8	0	0
07.0301	Business Data Processing and Related Programs, General	3,612	3,335	274	3	0
07.0302	Business Computer and Console Operation	376	376	0	0	0
07.0303	Business Data Entry Equipment Operation	173	173	0	0	0
07.0304	Business Data Peripheral Equipment Operation	14	14	0	0	0
07.0305	Business Data Programming	3,255	3,227	28	0	0
07.0306	Business Systems Analysis	287	239	48	0	0
07.0399	Business Data Processing and Related Programs, Other	549	549	0	0	0
07.0401	Office Supervision and Management	2,498	1,465	1,033	0	0
07.0501	Personnel and Training Programs, General	73	40	0	33	0
07.0502	Training Assisting	43	43	0	0	0
07.0503	Personnel Assisting	4	4	0	0	0
07.0599	Personnel And Training Programs, Oth.	12	12	0	0	0
07.0601	Secretarial and Related Programs, General	6,058	5,666	392	0	0
07.0602	Court Reporting	517	463	54	0	0
07.0603	Executive Secretarial	2,530	2,506	24	0	0
07.0604	Legal Secretarial	1,409	1,394	15	0	0
07.0605	Medical Secretarial	1,014	1,013	1	0	0
07.0606	Secretarial	2,829	2,578	51	0	0
07.0607	Stenographic	51	51	0	0	0
07.0699	Secretarial and Related Programs, Other	517	513	4	0	0
07.0701	Typing, General Office, and Related Programs, General	621	590	31	0	0

See footnotes at end of appendix.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
07.0702	Clerk-Typist	71	71	0	0	0
07.0703	Correspondence Clerk	3	3	0	0	0
07.0704	Duplicating Machine Operation	2	0	2	0	0
07.0705	General Office Clerk	62	62	0	0	0
07.0707	Receptionist and Communication Systems Operation	16	16	0	0	0
07.0709	Traffic, Rate, and Transportation Clerk	1	1	0	0	0
07.0799	Typing, General Office, and Related Programs, Other	72	72	0	0	0
07.0801	Word Processing	1,715	1,700	15	0	0
07.9999	Business (Administrative Support), Other	3,656	3,620	36	0	0
08.0000	Marketing and Distribution	18,611	12,723	5,733	155	0
08.0101	Apparel and Accessories Marketing, General	308	133	175	0	0
08.0102	Fashion Merchandising	4,600	3,123	1,477	0	0
08.0105	Jewelry Marketing	2	2	0	0	0
08.0199	Apparel and Accessories Marketing, Other	3	0	3	0	0
08.0201	Business and Personal Services Marketing, General	591	113	478	0	0
08.0202	Display	163	163	0	0	0
08.0203	Marketing of Business or Personal Services	285	13	271	1	0
08.0299	Business and Personal Services Marketing, Other	20	20	0	0	0
08.0301	Entrepreneurship	249	113	72	64	0
08.0401	Financial Services Marketing	105	98	7	0	0
08.0501	Floristry, Farm and Garden Supplies Marketing, General	2	2	0	0	0
08.0503	Floristry	8	8	0	0	0
08.0601	Food Marketing, General	42	38	4	0	0
08.0604	Supermarket Marketing	7	7	0	0	0
08.0699	Food Marketing, Other	50	50	0	0	0
08.0701	Auctioneering	1	0	1	0	0
08.0702	Industrial Sales	299	33	266	0	0
08.0703	International Marketing	103	10	72	21	0
08.0704	Purchasing	201	44	144	13	0
08.0705	Retailing	1,134	901	233	0	0
08.0706	Sales	523	309	214	0	0
08.0708	Marketing, General	1,184	491	683	10	0
08.0799	General Marketing, Other	2,175	1,231	944	0	0
08.0801	Home and Office Products Marketing, General	22	19	0	3	0
08.0803	Building Materials Marketing	4	4	0	0	0
08.0805	Furniture Marketing	20	20	0	0	0
08.0808	Specialty Home Furnishings Marketing	22	0	22	0	0
08.0901	Hospitality and Recreation Marketing, Other	211	185	26	0	0
08.0903	Marketing of Recreational Services	101	31	70	0	0
08.0999	Hospitality and Recreation Marketing, Other	38	5	33	0	0
08.1001	Insurance Marketing	33	33	0	0	0
08.1101	Transportation and Travel Marketing, General	303	266	37	0	0
08.1102	Transportation Marketing	16	16	0	0	0
08.1104	Tourism	1,285	1,078	165	42	0
08.1105	Travel Services Marketing	796	763	33	0	0
08.1106	Warehouse Services Marketing	7	7	0	0	0
08.1199	Transportation and Travel Marketing, Other	50	46	4	0	0
08.1201	Vehicles and Petroleum Marketing, General	8	1	7	0	0
08.1203	Automotive Vehicles and Accessories Marketing	119	119	0	0	0
08.1299	Vehicles and Petroleum Marketing, Other	6	6	0	0	0
08.9999	Marketing and Distribution, Other	3,515	3,222	292	1	0
09.0000	Communications	57,879	1,847	51,650	4,123	259
09.0101	Communications, General	26,945	609	24,652	1,519	165
09.0201	Advertising	3,389	220	2,957	209	3
09.0301	Communications Research	15	2	0	8	5
09.0401	Journalism (Mass Communications)	13,777	333	12,019	1,382	43
09.0501	Public Relations	2,038	14	1,897	127	0
09.0601	Radio/Television News Broadcasting	1,229	175	1,031	22	1
09.0701	Radio/Television, General	6,172	310	5,610	244	8

See footnotes at end of appendix.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
09.0801	Telecommunications	942	94	695	152	1
09.9999	Communications, Other	3,372	90	2,789	460	33
10.0000	Communications Technologies	3,386	2,009	1,149	213	15
10.0101	Educational Media Technology	97	88	0	9	2
10.0102	Motion Picture Technology	28	2	26	0	0
10.0103	Photographic Technology	259	235	24	0	0
10.0104	Radio and Television Production and Broadcasting Technology	1,777	584	1,023	157	13
10.0105	Sound Recording Technology	59	42	17	0	0
10.0106	Video Technology	26	13	13	0	0
10.0199	Communications Technologies, Other	1,140	1,047	46	47	0
11.0000	Computer and Information Sciences	42,760	7,677	25,083	9,324	676
11.0101	Computer and Information Sciences, General	29,972	2,331	19,453	7,555	633
11.0201	Computer Programming	2,374	1,882	390	102	0
11.0301	Data Processing	2,064	1,574	395	95	0
11.0401	Information Sciences and Systems	6,078	1,170	3,707	1,177	24
11.0501	Systems Analysis	292	3	217	67	5
11.0601	Microcomputer Applications	488	481	7	0	0
11.9999	Computer and Information Sciences, Other	1,492	236	914	328	14
12.0000	Consumer, Personal and Miscellaneous Services	833	728	105	0	0
12.0101	Drycleaning and Laundering Services	3	3	0	0	0
12.0301	Funeral Services	643	539	104	0	0
12.0402	Barbering/Hairstyling	14	14	0	0	0
12.0403	Cosmetology	167	166	1	0	0
12.9999	Consumer, Personal and Misc. Services, Other	6	6	0	0	0
13.0000	Education	214,406	7,795	111,010	88,904	6,697
13.0101	Education, General	15,870	3,235	1,996	9,560	1,079
13.0201	Bilingual/Crosscultural Education	273	9	112	140	12
13.0301	Curriculum and Instruction	7,074	0	582	5,799	693
13.0401	Education Administration, General	8,092	0	27	6,571	1,494
13.0402	Administration of Special Education	40	0	12	17	11
13.0403	Adult and Continuing Education Administration	161	0	0	117	44
13.0404	Educational Supervision	760	0	0	722	38
13.0405	Elementary and Secondary Education Administration	1,650	15	0	1,615	20
13.0406	Higher Education Administration	703	0	1	374	328
13.0407	Community College Education Administration	95	0	0	89	6
13.0499	Education Administration, Other	514	0	1	399	114
13.0501	Educational Media	894	0	16	829	49
13.0601	Evaluation and Research, General	136	0	0	72	64
13.0603	Educational Statistics and Research	53	0	3	20	30
13.0604	Educational Testing, Evaluation, and Measurement	77	0	0	52	25
13.0605	Elementary and Secondary Research	21	0	15	6	0
13.0606	Higher Education Research	32	0	0	5	27
13.0699	Evaluation and Research, Other	3	0	0	0	3
13.0701	International and Comparative Education	46	0	0	43	3
13.0801	School Psychology	2,332	0	204	1,618	510
13.0901	Social Foundations	352	1	0	230	121
13.1001	Special Education, General	11,854	75	4,722	6,894	163
13.1002	Education of the Culturally Disadvantage	9	0	7	2	0
13.1003	Education of the Deaf and Hearing Impaired	432	27	220	185	0
13.1004	Education of the Gifted and Talented	141	0	1	140	0
13.1005	Education of the Emotionally Handicapped	406	0	197	208	1
13.1006	Education of the Mentally Handicapped	741	4	543	194	0
13.1007	Education of the Multiple Handicapped	167	0	70	96	1
13.1008	Education of the Physically Handicapped	59	4	19	36	0
13.1009	Education of the Visually Handicapped	30	0	20	10	0

See footnotes at end of appendix.

BEST COPY AVAILABLE

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
13.1010	Remedial Education	46	0	0	42	4
13.1011	Specific Learning Disabilities	1,027	0	343	673	11
13.1012	Speech Correction	816	0	605	211	0
13.1099	Special Education, Other	613	13	229	368	3
13.1101	Student Counseling and Personnel Services	11,504	0	49	11,094	361
13.1201	Adult and Continuing Education	1,077	14	93	845	125
13.1202	Elementary Education	66,725	1,159	52,884	12,597	85
13.1203	Junior High/Middle School Education	1,576	1	1,093	482	0
13.1204	Pre-Elementary Education	7,907	805	5,385	1,689	28
13.1205	Secondary Education	8,640	341	4,483	3,720	96
13.1299	Teacher Education, General Programs, Other	2,205	275	319	1,554	57
13.1301	Agricultural Education	783	14	463	274	32
13.1302	Art Education	1,906	31	1,257	597	21
13.1303	Business Education	2,522	19	1,920	557	26
13.1304	Driver and Safety Education	96	0	37	59	0
13.1305	English Education	2,531	15	2,014	481	21
13.1306	Foreign Languages Education	641	1	418	201	21
13.1307	Health Education	2,697	32	1,699	864	102
13.1308	Home Economics Education	603	10	426	152	15
13.1309	Industrial Arts Education	2,291	6	1,641	617	27
13.1310	Marketing and Distributive Education	164	0	145	18	1
13.1311	Mathematics Education	2,576	19	1,786	733	38
13.1312	Music Education	3,874	39	2,883	881	71
13.1313	Nutritional Education	25	7	0	18	0
13.1314	Physical Education	17,434	411	13,389	3,455	199
13.1315	Reading Education	3,936	0	179	3,691	69
13.1316	Science Education	2,411	7	1,498	854	52
13.1317	Social Science Education	1,009	13	843	152	1
13.1318	Social Studies Education	2,150	11	1,863	274	2
13.1319	Technical Education	465	17	249	180	19
13.1320	Trade and Industrial Education	1,847	1	1,290	506	50
13.1321	Computer Education	654	0	12	642	0
13.1399	Teacher Education, Specific Subject Areas, Other	2,783	9	1,711	1,002	61
13.1401	Teaching English as a Second Language / Foreign Language	1,080	0	49	1,026	5
13.1501	Teacher Assisting	251	243	7	1	0
13.9999	Education, Other	4,521	912	1,000	2,351	258
14.0000	Engineering	93,338	2,460	61,632	23,984	5,262
14.0101	Engineering, General	5,333	1,443	2,423	1,216	251
14.0201	Aerospace, Aeronautical, and Astronautic	4,014	14	2,869	941	190
14.0301	Agricultural Engineering	690	0	447	173	70
14.0401	Architectural Engineering	601	40	522	39	0
14.0501	Bioengineering and Biomedical Engineering	1,170	0	670	359	141
14.0601	Ceramic Engineering	491	23	310	102	56
14.0701	Chemical Engineering	4,960	2	3,444	903	611
14.0801	Civil Engineering	10,837	60	7,314	2,927	536
14.0901	Computer Engineering	3,025	17	2,053	844	111
14.1001	Electrical, Electronics, and Communications	27,995	360	19,320	7,095	1,220
14.1101	Engineering Mechanics	403	0	140	162	101
14.1201	Engineering Physics	505	0	359	100	46
14.1301	Engineering Science	669	87	216	292	74
14.1401	Environmental Health Engineering	640	2	158	434	46
14.1501	Geological Engineering	128	0	60	57	11
14.1601	Geophysical Engineering	24	0	13	9	2
14.1701	Industrial Engineering	6,012	30	3,736	2,029	217
14.1801	Materials Engineering	1,337	0	509	498	330
14.1901	Mechanical Engineering	18,364	114	13,977	3,516	757
14.2001	Metallurgical Engineering	617	2	346	181	88
14.2101	Mining and Mineral Engineering	192	0	99	51	42
14.2201	Naval Architecture and Marine Engineering	348	0	283	50	15
14.2301	Nuclear Engineering	600	0	265	225	110
14.2401	Ocean Engineering	182	0	81	82	19
14.2501	Petroleum Engineering	348	0	202	118	28

See footnotes at end of appendix.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990–91--Continued

CIP code	Discipline division and program specialt	Total *	Associate's	Bachelor's	Master's	Doctor's
14.2601	Surveying and Mapping Sciences	105	9	71	21	4
14.2602	Cartography	31	0	30	1	0
14.2701	Systems Engineering	655	0	336	298	21
14.2801	Textile Engineering	71	0	50	20	1
14.9999	Engineering, Other	2,991	257	1,329	1,241	164
15.0000	Engineering and Engineering-Related Technology	58,252	40,259	17,008	975	10
15.0101	Architectural Design and Construction Technology	2,239	1,619	620	0	0
15.0102	Architectural Interior Design Technology	74	74	0	0	0
15.0199	Architectural Technologies, Other	260	112	124	24	0
15.0201	Civil Technology	1,357	971	386	0	0
15.0202	Drafting and Design Technology	2,658	2,474	184	0	0
15.0203	Surveying and Mapping Technology	188	167	21	0	0
15.0204	Urban Planning Technology	16	0	0	16	0
15.0299	Civil Technologies, Other	299	255	42	2	0
15.0301	Computer Technology	1,765	1,301	440	24	0
15.0302	Electrical Technology	2,124	1,295	829	0	0
15.0303	Electronic Technology	16,259	13,387	2,872	0	0
15.0304	Laser Electro-Optic Technology	261	227	31	3	0
15.0399	Electrical and Electronic Technologies, Other	3,295	2,995	300	0	0
15.0401	Biomedical Equipment Technology	438	433	5	0	0
15.0402	Computer Servicing Technology	483	480	3	0	0
15.0403	Electromechanical Technology	886	777	99	10	0
15.0404	Instrumentation Technology	376	369	0	5	2
15.0405	Robotics Technology	370	273	97	0	0
15.0499	Electromechanical Instrumentation and Maintenance Technologies, Other	524	514	10	0	0
15.0501	Air Conditioning, Heating, and Refrigeration Technology	484	483	1	0	0
15.0503	Energy Conservation and Use Technology	50	12	38	0	0
15.0504	Sanitation Technology	30	20	9	1	0
15.0505	Solar Heating and Cooling Technology	22	22	0	0	0
15.0506	Water and Wastewater Technology	197	169	19	9	0
15.0599	Environmental Control Technologies, Other	364	196	73	95	0
15.0602	Food Processing Technology	6	4	2	0	0
15.0603	Industrial Technology	4,351	685	3,437	225	4
15.0606	Optical Technology	3	3	0	0	0
15.0607	Plastic Technology	202	128	74	0	0
15.0609	Textile Technology	65	23	42	0	0
15.0610	Welding Technology	179	157	22	0	0
15.0699	Industrial Production Technologies, Other	1,176	424	699	53	0
15.0701	Occupational Safety and Health Technology	460	67	294	99	0
15.0702	Quality Control Technology	310	310	0	0	0
15.0799	Quality Control and Safety Technologies, Other	41	1	2	38	0
15.0801	Aeronautical Technology	2,281	1,333	948	0	0
15.0803	Automotive Technology	1,395	1,292	103	0	0
15.0804	Marine Propulsion Technology	11	11	0	0	0
15.0805	Mechanical Design Technology	2,476	1,782	694	0	0
15.0899	Mechanical and Related Technologies, Other	1,800	1,078	722	0	0
15.0901	Coal Mining Technology	41	35	6	0	0
15.0902	Mining (Excluding Coal) Technology	9	0	9	0	0
15.0903	Petroleum Technology	96	80	16	0	0
15.0999	Mining and Petroleum Technologies, Other	29	28	1	0	0
15.1001	Construction Technology	696	330	366	0	0
15.9999	Engineering and Engineering-Related Technologies, Other	7,606	3,863	3,368	371	4
16.0000	Foreign Languages	15,021	327	12,095	2,073	526
16.0101	Foreign Languages, Multiple Emphasis	1,200	77	809	267	47
16.0201	African (Non-Semitic) Languages	4	0	2	1	1
16.0301	Chinese	183	0	150	24	9
16.0302	Japanese	219	4	187	28	0
16.0399	Asiatic Languages, Other	111	0	81	20	10
16.0402	Russian	669	0	593	70	6

See footnotes at end of appendix.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
16.0403	Slavic Languages (Other than Russian)	155	0	69	63	23
16.0499	Balto-Slavic Languages, Other	21	0	13	6	2
16.0501	German	1,848	5	1,543	242	58
16.0502	Scandinavian Languages	36	0	30	3	3
16.0599	Germanic Languages, Other	32	1	11	8	12
16.0601	Greek (Classical)	67	7	47	10	3
16.0703	Indic Languages	11	0	3	2	6
16.0901	French	3,957	24	3,355	480	98
16.0902	Italian	311	1	253	36	21
16.0903	Latin	128	0	114	14	0
16.0904	Portuguese	42	0	33	4	5
16.0905	Spanish	5,285	71	4,480	609	125
16.0999	Italic Languages, Other	151	0	55	56	40
16.1001	Native American Languages	6	1	5	0	0
16.1101	Arabic	13	3	9	0	1
16.1102	Hebrew	96	0	43	46	7
16.1199	Semitic Languages, Other	20	0	7	9	4
16.9999	Foreign Languages, Other	456	133	203	75	45
17.0000	Allied Health	41,438	24,836	12,495	3,975	132
17.0101	Dental Assisting	318	318	0	0	0
17.0102	Dental Hygiene	3,928	3,220	690	18	0
17.0103	Dental Laboratory Technology	256	250	1	5	0
17.0199	Dental Services, Other	23	22	0	1	0
17.0201	Cardiovascular Technology	202	99	103	0	0
17.0202	Dialysis Technology	1	1	0	0	0
17.0203	Electrocardiograph Technology	8	8	0	0	0
17.0204	Electroencephalograph Technology	29	28	1	0	0
17.0205	Emergency Medical Technology - Ambulance	53	16	30	7	0
17.0206	Emergency Medical Technology - Paramedic	370	355	15	0	0
17.0207	Medical Radiation Dosimetry	31	22	9	0	0
17.0208	Nuclear Medical Technology	410	261	149	0	0
17.0209	Radiologic (Medical) Technology	4,129	3,763	352	14	0
17.0210	Respiratory Therapy Technology	1,358	1,327	31	0	0
17.0211	Surgical Technology	190	190	0	0	0
17.0212	Diagnostic Medical Sonography	158	132	26	0	0
17.0299	Diagnostic and Treatment Services, Other	191	63	105	23	0
17.0301	Blood Bank Technology	7	4	1	2	0
17.0302	Chemistry Technology	6	0	6	0	0
17.0303	Clinical Animal Technology	10	0	10	0	0
17.0305	Clinical Laboratory Assisting	18	18	0	0	0
17.0306	Cytotechnology	59	0	59	0	0
17.0308	Histologic Technology	44	44	0	0	0
17.0309	Medical Laboratory Technology	1,826	1,731	95	0	0
17.0310	Medical Technology	1,520	20	1,462	36	2
17.0311	Microbiology Technology	5	0	0	5	0
17.0399	Medical Laboratory Technologies, Other	75	47	28	0	0
17.0401	Alcohol/Drug Abuse Specialty	653	513	86	54	0
17.0402	Community Health Work	631	84	204	333	10
17.0404	Home Health Aide	2	2	0	0	0
17.0405	Mental Health/Human Services Assisting	490	465	22	3	0
17.0406	Mental Health/Human Services Technology	1,196	1,019	115	62	0
17.0407	Rehabilitation Counseling	812	1	200	602	9
17.0408	Therapeutic Child Care Work	30	21	0	9	0
17.0410	Sign Language Interpreting	235	222	13	0	0
17.0499	Mental Health/Human Services, Other	1,218	462	380	303	73
17.0503	Medical Assisting	1,517	1,496	5	16	0
17.0504	Medical Illustrating	77	0	40	37	0
17.0505	Medical Office Management	156	156	0	0	0
17.0506	Medical Records Technology	1,054	1,041	13	0	0
17.0507	Pharmacy Assisting	55	55	0	0	0
17.0508	Physician Assisting	849	127	619	103	0

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
17.0512	Veterinarian Assisting	723	704	19	0	0
17.0513	Health Unit Coordinating	3	3	0	0	0
17.0514	Chiropractic Assisting	45	45	0	0	0
17.0599	Misc. Allied Health Services, Other	303	182	79	31	11
17.0601	Geriatric Aide	53	53	0	0	0
17.0602	Nursing Assisting	5	5	0	0	0
17.0605	Practical Nursing	820	797	23	0	0
17.0606	Health Unit Management	25	24	1	0	0
17.0699	Nursing-Related Services, Other	431	351	23	57	0
17.0701	Ophthalmic Dispensing	154	154	0	0	0
17.0705	Optometric Technology	131	131	0	0	0
17.0799	Ophthalmic Services, Other	115	115	0	0	0
17.0801	Art Therapy	162	0	30	132	0
17.0803	Dance Therapy	46	0	7	39	0
17.0804	Exercise Physiology	354	10	253	90	1
17.0806	Music Therapy	184	0	163	21	0
17.0807	Occupational Therapy	2,611	121	2,089	401	0
17.0808	Occupational Therapy Assisting	824	824	0	0	0
17.0811	Orthotics/Prosthetics	37	20	17	0	0
17.0812	Orthopedic Assisting	3	3	0	0	0
17.0813	Physical Therapy	4,675	157	3,425	1,087	6
17.0814	Physical Therapy Aide	14	0	1	13	0
17.0815	Physical Therapy Assisting	1,773	1,773	0	0	0
17.0816	Recreational Therapy	224	56	165	3	0
17.0817	Recreational Therapy Assisting	43	38	5	0	0
17.0818	Respiratory Therapy	1,056	865	191	0	0
17.0819	Respiratory Therapy Assisting	18	18	0	0	0
17.0820	Speech/Hearing Therapy Aide	111	7	60	40	4
17.0822	Recreational Therapy Aide	1	1	0	0	0
17.0899	Rehabilitation Services, Other	613	74	342	194	3
17.9999	Allied Health, Other	1,681	702	732	234	13
18.0000	Health Sciences	111,491	45,983	46,773	17,253	1,482
18.0101	Audiology	160	0	37	118	5
18.0102	Speech Pathology	700	2	318	378	2
18.0103	Speech-Language Pathology/Audiology	5,384	7	2,739	2,558	80
18.0199	Audiology and Speech Pathology, Other	250	0	128	117	5
18.0201	Clinical Anatomy	10	0	0	3	7
18.0202	Clinical Biochemistry	46	3	11	7	25
18.0203	Clinical Microbiology	60	0	31	12	17
18.0204	Clinical Pathology	22	0	0	22	0
18.0205	Clinical Physiology	33	0	6	7	20
18.0206	Clinical Toxicology	2	0	0	0	2
18.0299	Basic Clinical Health Sciences, Other	184	3	117	40	24
18.0301	Chiropractic	6	5	0	1	0
18.0401	Dentistry, General	139	4	75	59	1
18.0402	Dental Public Health	11	0	0	10	1
18.0403	Endodontics	20	0	0	19	1
18.0404	Oral/Maxial Facial Surgery	6	0	0	5	1
18.0405	Oral Pathology	8	0	0	0	8
18.0406	Orthodontics	92	0	0	92	0
18.0407	Pedodontics	22	0	0	21	1
18.0408	Periodontics	21	0	0	21	0
18.0409	Prosthodontics	31	0	0	31	0
18.0499	Dentistry, Other	118	4	6	100	8
18.0701	Health Services Administration	4,797	63	2,185	2,522	27
18.0702	Health Care Planning	263	0	24	230	9
18.0703	Medical Records Administration	567	6	561	0	0
18.0799	Health Services Administration, Other	670	79	294	290	7
18.0901	Medical Laboratory	684	11	619	54	0
18.1001	Medicine, General	181	25	113	37	6
18.1003	Anesthesiology	31	0	5	26	0

See footnotes at end of appendix.

BEST COPY AVAILABLE

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990–91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
18.1007	Family Practice	13	0	0	13	0
18.1008	Geriatrics	41	2	11	28	0
18.1009	Immunology	33	0	0	7	26
18.1012	Nuclear Medicine	1	0	1	0	0
18.1014	Ophthalmology	2	0	0	0	2
18.1016	Orthopedic	1	0	0	1	0
18.1017	Otorhinolaryngology/Otolaryngology	5	0	0	3	2
18.1018	Pathology	29	0	0	8	21
18.1022	Preventive Medicine	46	0	0	43	3
18.1023	Psychiatry	2	2	0	0	0
18.1024	Neurology	5	0	0	1	4
18.1025	Radiology	211	194	2	15	0
18.1026	Surgery	4	0	0	2	2
18.1030	Sports Medicine	194	8	146	40	0
18.1099	Medicine, Other	77	3	0	21	53
18.1101	Nursing, General	78,409	44,253	28,827	4,972	357
18.1102	Anesthetist	182	0	21	161	0
18.1103	Maternal/Child Health	284	0	0	282	2
18.1104	Medical Surgical	350	48	2	301	1
18.1105	Nursing Administration	346	76	75	193	2
18.1106	Psychiatric/Mental Health	193	23	0	170	0
18.1107	Public Health (Nursing)	631	0	12	577	42
18.1199	Nursing, Other	1,364	566	378	416	4
18.1201	Optometry	234	12	198	19	5
18.1301	Osteopathic Medicine	10	2	4	4	0
18.1401	Pharmacy	6,577	15	6,068	289	205
18.1501	Podiatry	5	1	4	0	0
18.1701	Pre-Dentistry	67	22	45	0	0
18.1801	Pre-Medicine	750	236	514	0	0
18.1901	Pre-Pharmacy	130	126	4	0	0
18.2001	Pre-Veterinary	50	26	24	0	0
18.2201	Public Health Laboratory Science	1,598	0	191	1,276	131
18.2202	Epidemiology	311	0	0	261	50
18.2203	Public Health Education	36	0	10	26	0
18.2204	Public Health Practice and Management	203	0	68	119	16
18.2299	Public Health, Other	493	0	150	335	8
18.2401	Veterinary Medicine	418	13	196	107	102
18.9999	Health Sciences, Other	3,668	145	2,553	783	187
19.0000	Home Economics	17,784	1,454	14,164	1,933	233
19.0101	Home Economics, General	3,645	102	3,188	340	35
19.0201	Business Home Economics	242	0	242	0	0
19.0301	Family and Community Services	298	19	223	56	0
19.0401	Family/Consumer Resource Management, General	646	13	605	20	8
19.0402	Consumer Science	254	1	232	15	6
19.0499	Family/Consumer Resource Management, Other	23	0	6	5	12
19.0501	Food Sciences and Human Nutrition, General	1,773	2	1,421	322	28
19.0502	Food/Food Sciences	66	1	53	11	1
19.0503	Dietitics/Human Nutritional Services	1,128	70	944	110	4
19.0599	Food Sciences and Human Nutrition, Other	177	0	154	21	2
19.0601	Human Environment and Housing, General	624	0	585	38	1
19.0603	Housing	31	0	31	0	0
19.0699	Human Environment and Housing, Other	73	0	70	3	0
19.0701	Individual and Family Development, General	3,051	61	2,574	333	83
19.0703	Family Counseling	416	0	28	368	20
19.0704	Family Relations	363	0	311	47	5
19.0705	Gerontological Services	202	25	86	91	0
19.0799	Individual and Family Development, Other	228	3	182	41	2
19.0901	Textiles and Clothing, General	2,001	9	1,913	58	21
19.0902	Fashion Design	1,637	1,051	582	2	2
19.0904	Textile Science	71	69	2	0	0
19.0999	Textiles and Clothing, Other	542	0	532	10	0
19.9999	Home Economics, Other	293	28	220	42	3

See footnotes at end of appendix.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
20.0000	Vocational Home Economics	10,845	9,425	1,310	88	22
20.0101	Comprehensive Consumer & Homemaking Education	48	32	16	0	0
20.0102	Child Development, Care, and Guidance	1,560	1,137	374	35	14
20.0103	Clothing and Textiles	58	0	58	0	0
20.0104	Consumer Education	4	2	2	0	0
20.0106	Family/Individual Health	1	0	1	0	0
20.0107	Family Living and Parenthood	179	0	168	7	4
20.0108	Food and Nutrition	33	19	11	3	0
20.0109	Home Management	16	0	16	0	0
20.0110	Housing, Home Furnishings, and Equipment	8	8	0	0	0
20.0199	Consumer and Homemaking Education, Other	3	3	0	0	0
20.0201	Child Care and Guidance Management and Services, General	1,323	1,266	34	23	0
20.0202	Child Care Aide/Assisting	1,332	1,332	0	0	0
20.0203	Child Care Management	549	546	0	1	2
20.0204	Foster Care/Family Care	16	16	0	0	0
20.0299	Child Care and Guidance Management and Services, Other	128	128	0	0	0
20.0301	Clothing, Apparel, and Textiles Management, Production and Services, General	107	83	24	0	0
20.0303	Commercial Garment and Apparel Construction	18	18	0	0	0
20.0304	Custom Apparel / Garment Seamstress	15	15	0	0	0
20.0305	Custom Tailoring and Alteration	12	12	0	0	0
20.0306	Fashion/Fabric Coordination	28	28	0	0	0
20.0308	Wedding/Specialty Consulting	5	5	0	0	0
20.0399	Clothing, Apparel, and Textiles Management, Production and Services, Other	6	4	2	0	0
20.0401	Food Production, Management, and Services, General	1,260	1,072	174	12	2
20.0402	Baking	150	150	0	0	0
20.0403	Chef / Cook	1,614	1,614	0	0	0
20.0404	Dietetic Aide / Assisting	233	233	0	0	0
20.0406	Food Service	691	376	315	0	0
20.0408	School Food Service	1	1	0	0	0
20.0499	Food Production, Management, and Services, Other	1,081	1,081	0	0	0
20.0501	Home Furnishings and Equipment Management, Production, and Services, General	82	38	43	1	0
20.0502	Custom Drapery and Window Treatment Design	2	2	0	0	0
20.0504	Floral Design	17	17	0	0	0
20.0505	Home Decorating	108	98	10	0	0
20.0506	Home Furnishings Aide	10	10	0	0	0
20.0599	Home Furnishings and Equipment Management, Production, and Services, Other	2	1	1	0	0
20.0601	Institutional, Home Management, and Supporting Services, General	69	9	54	6	0
20.0605	Executive Housekeeping	4	4	0	0	0
20.9999	Vocational Home Economics, Other	72	65	7	0	0
22.0000	Law	9,389	5,484	1,758	2,057	90
22.0101	Law	1,186	9	41	1,050	86
22.0102	Pre-Law	465	152	313	0	0
22.0103	Legal Assisting	5,841	5,172	666	3	0
22.0199	Law, Other	1,897	151	738	1,004	4
23.0000	Letters	62,579	473	52,880	7,810	1,416
23.0101	English, General	43,650	288	37,628	4,907	827
23.0201	Classics	639	0	474	123	42
23.0301	Comparative Literature	1,151	4	777	242	128
23.0401	Composition	215	1	188	17	9
23.0501	Creative Writing	1,391	2	704	677	8
23.0601	Linguistics (includes Phonetics, Semantics, and Philology)	1,358	0	564	604	190
23.0701	Literature, American	37	0	32	2	3
23.0801	Literature, English	2,126	1	1,813	261	51

See footnotes at end of appendix.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990–91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
23.1001	Speech, Debate, and Forensics	10,202	54	9,367	675	106
23.1101	Technical and Business Writing	209	16	96	97	0
23.1201	English as a Second Language	105	47	1	57	0
23.9999	Letters, Other	1,496	60	1,236	148	52
24.0000	Liberal / General Studies	166,368	137,904	26,692	1,736	36
24.0101	Liberal Arts and Sciences	128,394	112,509	14,423	1,456	6
24.0102	General Studies	18,422	14,896	3,506	17	3
24.0199	Liberal / General Studies, Other	19,552	10,499	8,763	263	27
25.0000	Library and Archival Sciences	5,070	116	93	4,805	56
25.0101	Library and Archival Sciences, General	977	15	2	954	6
25.0201	Archival Science	2	0	0	2	0
25.0301	Library Assisting	83	83	0	0	0
25.0401	Library Science	3,925	11	86	3,778	50
25.0501	Museology	48	5	3	40	0
25.9999	Library and Archival Sciences, Other	35	2	2	31	0
26.0000	Life Sciences	49,507	1,119	39,530	4,765	4,093
26.0101	Biology, General	32,823	950	29,285	1,956	632
26.0201	Biochemistry and Biophysics	2,998	0	2,094	254	650
26.0301	Botany, General	435	1	162	136	136
26.0302	Bacteriology	19	0	4	9	6
26.0304	Plant Genetics	71	0	23	17	31
26.0305	Plant Pathology	203	0	7	93	103
26.0307	Plant Physiology	33	0	0	7	26
26.0399	Botany, Other	8	0	6	0	2
26.0401	Cell Biology	176	0	89	26	61
26.0402	Molecular Biology	600	0	419	40	141
26.0499	Cell and Molecular Biology, Other	382	0	308	15	59
26.0501	Microbiology	2,484	3	1,753	315	413
26.0601	Anatomy	234	1	46	73	114
26.0602	Biometrics and Biostatistics	163	0	20	99	44
26.0603	Ecology	883	1	567	219	96
26.0605	Endocrinology	18	0	0	4	14
26.0606	Histology	4	4	0	0	0
26.0607	Marine Biology	489	3	370	87	29
26.0608	Neurosciences	261	0	105	38	118
26.0609	Nutritional Sciences	586	4	213	283	86
26.0610	Parasitology	14	0	0	7	7
26.0611	Radiobiology	25	0	0	20	5
26.0612	Toxicology	123	0	27	48	48
26.0699	Miscellaneous Specialized Areas, Life Sciences, Other	541	36	355	96	54
26.0701	Zoology, General	2,594	2	2,217	211	164
26.0702	Entomology	310	0	52	118	140
26.0703	Genetics, Human and Animal	410	0	164	92	154
26.0704	Pathology, Human and Animal	163	0	9	42	112
26.0705	Pharmacology, Human and Animal	275	0	23	47	205
26.0706	Physiology, Human and Animal	806	2	372	222	210
26.0799	Zoology, Other	2	0	0	0	2
26.9999	Life Sciences, Other	1,374	112	840	191	231
27.0000	Mathematics	19,924	670	14,661	3,615	978
27.0101	Mathematics, General	16,184	615	12,462	2,408	699
27.0201	Actuarial Sciences	334	0	268	66	0
27.0301	Applied Mathematics	1,397	4	902	397	94
27.0401	Pure Mathematics	118	6	90	15	7
27.0501	Statistics	1,243	0	447	631	165
27.9999	Mathematics, Other	648	45	492	98	13

See footnotes at end of appendix.

59

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990–91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
28.0000	Military Sciences	288	15	273	0	0
28.0101	Aerospace Science (Air Force)	16	0	16	0	0
28.0301	Military Science (Army)	1	0	1	0	0
28.0401	Naval Science (Navy, Marines)	1	0	1	0	0
28.0501	Maritime Science (Merchant Marine)	235	0	235	0	0
28.9999	Military Sciences, Other	35	15	20	0	0
29.0000	Military Technologies	215	70	145	0	0
29.0101	Military Technologies	215	70	145	0	0
30.0000	Multi/Interdisciplinary Studies	36,726	12,267	21,653	2,548	258
30.0101	Biological and Physical Sciences	8,015	5,382	2,370	241	22
30.0201	Clinical Pastoral Care	306	0	0	302	4
30.0301	Engineering and Other Disciplines	743	142	350	207	44
30.0401	Humanities and Social Sciences	9,163	4,818	3,834	477	34
30.0501	Peace Studies	63	0	32	31	0
30.0601	Systems Science	125	0	57	58	10
30.0701	Womens Studies	274	0	261	13	0
30.0801	Mathematics and Computer Science	144	6	138	0	0
30.0901	Imaging Science	31	0	31	0	0
30.9999	Multi/Interdisciplinary Studies, Other	17,862	1,919	14,580	1,219	144
31.0000	Parks and Recreation	4,897	415	4,062	393	27
31.0101	Parks and Recreation, General	1,876	32	1,679	150	15
31.0201	Outdoor Recreation	274	133	116	25	0
31.0301	Parks and Recreation Management	2,375	179	2,018	168	10
31.0401	Water Resources	86	1	50	35	0
31.9999	Parks and Recreation, Other	286	70	199	15	2
38.0000	Philosophy and Religion	9,301	89	7,315	1,441	456
38.0101	Philosophy	5,432	24	4,588	539	281
38.0201	Religion	3,225	65	2,376	609	175
38.9999	Philosophy and Religion, Other	644	0	351	293	0
39.0000	Theology	10,974	578	4,813	4,508	1,075
39.0101	Biblical Languages	26	2	14	7	3
39.0201	Bible Studies	2,235	318	1,552	355	10
39.0301	Missionary Studies	587	8	346	183	50
39.0401	Religious Education	1,818	89	818	876	35
39.0501	Religious Music	331	18	199	108	6
39.0601	Theological Studies	4,443	124	1,245	2,327	747
39.9999	Theology, Other	1,534	19	639	652	224
40.0000	Physical Sciences	27,047	1,249	16,251	5,266	4,281
40.0101	Physical Sciences, General	1,490	976	455	59	0
40.0201	Astronomy	242	0	104	83	55
40.0301	Astrophysics	73	0	46	6	21
40.0401	Atmospheric Sciences and Meteorology	610	0	360	172	78
40.0501	Chemistry, General	11,820	103	8,111	1,546	2,060
40.0502	Analytical Chemistry	43	0	0	20	23
40.0503	Inorganic Chemistry	19	1	0	6	12
40.0504	Organic Chemistry	35	0	8	8	19
40.0505	Pharmaceutical Chemistry	80	0	10	28	42
40.0506	Physical Chemistry	51	0	10	6	35
40.0599	Chemistry, Other	284	4	182	51	47
40.0601	Geology	2,940	28	1,855	919	338

See footnotes at end of appendix.

BEST COPY AVAILABLE

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
40.0602	Geochemistry	33	0	5	12	16
40.0603	Geophysics and Seismology	172	0	50	64	58
40.0604	Paleontology	11	0	5	4	2
40.0699	Geological Sciences, Other	191	0	69	90	32
40.0701	Metallurgy	17	3	1	6	7
40.0702	Oceanography	373	0	154	132	87
40.0703	Earth Science	590	0	427	104	59
40.0799	Miscellaneous Physical Sciences, Other	162	4	72	79	7
40.0801	Physics, General	6,846	64	4,044	1,609	1,129
40.0802	Atomic/Molecular Physics	14	0	14	0	0
40.0806	Nuclear Physics	7	0	0	7	0
40.0807	Optics	113	0	36	52	25
40.0808	Solid State Physics	19	0	0	8	11
40.0899	Physics, Other	240	5	142	49	44
40.0901	Planetary Science	18	0	1	9	8
40.9999	Physical Sciences, Other	554	61	290	137	66
41.0000	Science Technologies	1,081	936	93	43	9
41.0101	Biological Laboratory Technology	38	27	11	0	0
41.0102	Oceanographic (Biological) Technology	31	31	0	0	0
41.0199	Biological Technologies, Other	83	56	24	0	3
41.0201	Nuclear Materials Handling Technology	33	33	0	0	0
41.0202	Nuclear Power Plant Operation Technology	37	37	0	0	0
41.0203	Nuclear Power Plant Radiation Control Tech.	35	35	0	0	0
41.0204	Radiologic (Physical) Technology	96	87	9	0	0
41.0299	Nuclear Technologies, Other	16	16	0	0	0
41.0301	Chemical Technology	305	295	10	0	0
41.0303	Metallurgical Technology	94	94	0	0	0
41.0304	Meteorological Technology	76	76	0	0	0
41.0305	Oceanographic (Physical) Technology	4	1	1	2	0
41.0399	Physical Science Technologies, Other	5	3	2	0	0
41.9999	Science Technologies, Other	228	145	36	41	6
42.0000	Psychology	72,601	997	58,451	9,731	3,422
42.0101	Psychology, General	62,129	860	55,463	4,186	1,620
42.0201	Clinical Psychology	1,925	0	82	808	1,035
42.0301	Cognitive Psychology	65	0	23	31	11
42.0401	Community Psychology	311	0	46	265	0
42.0601	Counseling Psychology	3,280	20	205	2,814	241
42.0701	Developmental Psychology	680	0	539	109	32
42.0801	Experimental Psychology	318	0	202	50	66
42.0901	Industrial and Organizational Psychology	693	0	129	482	82
42.1101	Physiological Psychology	121	0	101	4	16
42.1201	Psycholinguistics	3	0	0	0	3
42.1301	Psychometrics	4	0	0	3	1
42.1501	Quantitative Psychology	13	0	1	10	2
42.1601	Social Psychology	577	23	448	76	32
42.9999	Psychology, Other	2,482	94	1,214	893	281
43.0000	Protective Services	31,506	13,564	16,808	1,106	28
43.0101	Correctional Administration	446	76	320	50	0
43.0102	Corrections	840	401	382	57	0
43.0103	Criminal Justice Administration	6,264	1,516	4,420	328	0
43.0104	Criminal Justice Studies	9,873	1,028	8,307	510	28
43.0105	Criminal Justice Technology	3,480	3,193	284	3	0
43.0106	Forensic Studies	520	45	418	57	0
43.0107	Law Enforcement	5,896	4,269	1,587	40	0
43.0108	Law Enforcement Administration	376	274	88	14	0
43.0109	Security Services	108	56	51	1	0
43.0199	Criminal Justice, Other	1,271	500	748	25	0

See footnotes at end of appendix.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
43.0201	Fire Control and Safety Technology	1,232	1,120	104	8	0
43.0202	Fire Protection Administration	149	86	63	0	0
43.0203	Firefighting	290	290	0	0	0
43.0299	Fire Protection, Other	162	138	9	15	0
43.9999	Protective Services, Other	599	572	27	0	0
44.0000	Public Affairs	35,950	2,803	14,589	18,128	430
44.0101	Public Affairs, General	1,540	190	754	567	29
44.0201	Community Services	2,197	1,034	932	222	9
44.0301	International Public Service	345	0	184	161	0
44.0401	Public Administration	7,081	39	1,651	5,309	82
44.0501	Public Policy Studies	856	13	356	436	51
44.0601	Public Sanitation	2	2	0	0	0
44.0602	Public Transportation	7	0	0	7	0
44.0699	Public Works, Other	25	25	0	0	0
44.0701	Social Work, General	20,988	753	9,874	10,141	220
44.0702	Medical Social Work	141	24	55	62	0
44.0799	Social Work, Other	1,399	261	451	676	11
44.9999	Public Affairs, Other	1,369	462	332	547	28
45.0000	Social Sciences	142,479	2,505	124,893	12,069	3,012
45.0101	Social Sciences, General	8,581	1,616	6,411	525	29
45.0201	Anthropology	5,274	28	4,105	811	330
45.0301	Archeology	148	1	92	40	15
45.0401	Criminology	1,623	26	1,546	49	2
45.0501	Demography	54	2	10	30	12
45.0601	Economics	26,387	146	23,486	1,951	802
45.0701	Geography	4,153	15	3,397	622	119
45.0801	History	27,932	196	24,541	2,589	606
45.0901	International Relations	6,576	3	4,996	1,516	61
45.1001	Political Science and Government	38,112	135	35,737	1,772	468
45.1101	Sociology	19,511	236	17,550	1,260	465
45.1201	Urban Studies	994	12	610	343	29
45.9999	Social Sciences, Other	3,134	89	2,410	561	74
46.0000	Construction Trades	1,817	1,793	24	0	0
46.0101	Brickmasonry, Stonemasonry, and Tile Setting, General	16	16	0	0	0
46.0102	Brick, Block, and Stonemasonry	2	2	0	0	0
46.0201	Carpentry	333	332	1	0	0
46.0301	Electrical and Power Transmission Installation, General	145	145	0	0	0
46.0302	Electrician	319	319	0	0	0
46.0303	Lineworker	32	32	0	0	0
46.0399	Electrical and Power Transmission Installation, Other	61	61	0	0	0
46.0401	Building and Property Maintenance	43	43	0	0	0
46.0403	Construction Inspection	55	55	0	0	0
46.0407	Insulation Installation	1	1	0	0	0
46.0408	Painting and Decorating	9	9	0	0	0
46.0499	Miscellaneous Construction Trades and Property Maintenance, Other	173	167	6	0	0
46.0501	Plumbing, Pipefitting, & Steamfitting, General	30	30	0	0	0
46.0502	Pipefitting and Steamfitting	1	1	0	0	0
46.0503	Plumbing	39	39	0	0	0
46.9999	Construction Trades, Other	558	541	17	0	0
47.0000	Mechanics and Repairers	7,785	7,585	200	0	0
47.0101	Electrical and Electronics Equipment Repair, General	541	539	2	0	0
47.0102	Business Machine Repair	23	23	0	0	0
47.0103	Communication Electronics	367	364	3	0	0
47.0104	Computer Electronics	372	372	0	0	0

See footnotes at end of appendix.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990–91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
47.0105	Industrial Electronics	462	457	5	0	0
47.0106	Major Appliance Repair	11	11	0	0	0
47.0199	Electrical and Electronics Equipment Repair, Other	242	85	157	0	0
47.0201	Heating, Air Conditioning, and Refrigeration Mechanics, General	601	601	0	0	0
47.0202	Cooling and Refrigeration	59	59	0	0	0
47.0203	Heating and Air Conditioning	67	67	0	0	0
47.0299	Heating, Air Conditioning, and Refrigeration Mechanics, Other	57	57	0	0	0
47.0301	Industrial Equipment Maintenance and Repair, General	87	85	2	0	0
47.0302	Heavy Equipment Maintenance and Repair	36	36	0	0	0
47.0303	Industrial Machinery Maintenance and Repair	113	113	0	0	0
47.0399	Industrial Equipment Maintenance and Repair, Other	12	12	0	0	0
47.0401	Electromechanical, Hydraulic, and Pneumatic Instrument Repair	27	27	0	0	0
47.0402	Gunsmithing	38	38	0	0	0
47.0404	Musical Instrument Repair	8	8	0	0	0
47.0408	Watch Repair	4	4	0	0	0
47.0499	Miscellaneous Mechanics and Repairers, Other	2	2	0	0	0
47.0501	Stationary Energy Sources, General	2	2	0	0	0
47.0502	Conventional Electrical Power Generation	21	21	0	0	0
47.0601	Vehicle and Mobile Equipment Mechanics and Repairers, General	58	58	0	0	0
47.0603	Automotive Body Repair	255	255	0	0	0
47.0604	Automotive Mechanics	2,168	2,166	2	0	0
47.0605	Diesel Engine Mechanics	605	605	0	0	0
47.0606	Small Engine Repair	15	15	0	0	0
47.0607	Aircraft Mechanics, Airframe	345	340	5	0	0
47.0608	Aircraft Mechanics, Powerplant	324	324	0	0	0
47.0699	Vehicle and Mobile Equipment Mechanics and Repairers, Other	448	424	24	0	0
47.9999	Mechanics and Repairers, Other	415	415	0	0	0
48.0000	Precision Production	10,199	9,662	533	4	0
48.0101	Drafting, General	1,076	1,076	0	0	0
48.0102	Architectural Drafting	1,017	1,017	0	0	0
48.0103	Civil/Structural Drafting	16	16	0	0	0
48.0104	Electrical/Electronics Drafting	171	171	0	0	0
48.0105	Mechanical Drafting	1,079	1,079	0	0	0
48.0199	Drafting, Other	437	437	0	0	0
48.0201	Graphic and Printing Communications, General	1,172	927	245	0	0
48.0203	Commercial Art	2,900	2,646	250	4	0
48.0204	Commercial Photography	317	310	7	0	0
48.0205	Typesetting, Make-up, and Composition	13	13	0	0	0
48.0206	Lithography, Photography, and Platemaking	93	93	0	0	0
48.0207	Photographic Laboratory and Darkroom	25	25	0	0	0
48.0208	Printing Press Operations	84	84	0	0	0
48.0299	Graphic and Printing Communications, Other	103	74	29	0	0
48.0302	Saddlemaking and Repair	4	4	0	0	0
48.0303	Upholstering	12	12	0	0	0
48.0399	Leatherworking and Upholstering, Other	2	2	0	0	0
48.0401	Precision Food Production, General	1	1	0	0	0
48.0402	Meatcutting	4	4	0	0	0
48.0501	Precision Metal Work, General	61	61	0	0	0
48.0503	Machine Tool Operation / Machine Shop	781	781	0	0	0
48.0504	Metal Fabrication	2	2	0	0	0
48.0505	Metal Patternmaking	6	6	0	0	0
48.0506	Sheet Metal	4	4	0	0	0
48.0507	Tool and Die Making	273	273	0	0	0
48.0508	Welding	226	226	0	0	0
48.0599	Precision Metal Work, Other	5	5	0	0	0
48.0602	Jewelry Design, Fabrication, and Repair	55	55	0	0	0

See footnotes at end of appendix.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990–91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
48.0604	Plastics	2	2	0	0	0
48.0699	Precision Work, Assorted Materials, Other	26	26	0	0	0
48.0701	Woodworking, General	18	16	2	0	0
48.0702	Furniture Making	8	8	0	0	0
48.0703	Millwork and Cabinet Making	31	31	0	0	0
48.0799	Woodworking, Other	7	7	0	0	0
48.9999	Precision Production, Other	168	168	0	0	0
49.0000	Transportation and Material Moving	5,402	2,309	2,387	406	0
49.0101	Air Transportation, General	1,061	208	853	0	0
49.0102	Airplane Piloting and Navigation (Commercial)	1,706	755	634	317	0
49.0104	Aviation Management	1,247	348	834	65	0
49.0105	Air Traffic Control	121	100	21	0	0
49.0106	Flight Attendants	26	26	0	0	0
49.0107	Airplane Piloting (Private)	12	12	0	0	0
49.0199	Air Transportation, Other	209	145	40	24	0
49.0201	Vehicle and Equipment Operation, General	16	16	0	0	0
49.0203	Material Handling	2	2	0	0	0
49.0299	Vehicle and Equipment Operation, Other	3	3	0	0	0
49.0301	Water Transportation, General	9	9	0	0	0
49.0302	Barge and Boat Operations	5	5	0	0	0
49.0304	Deep Water Diving and Life Support Systems	20	20	0	0	0
49.0305	Marina Operations	11	11	0	0	0
49.0308	Sailors and Deckhands	1	1	0	0	0
49.9999	Transportation and Material Moving, Other	953	948	5	0	0
50.0000	Visual and Performing Arts	55,925	5,117	41,321	8,651	836
50.0101	Visual and Performing Arts, General	2,820	302	2,256	248	14
50.0201	Crafts, General	113	5	101	7	0
50.0202	Ceramics	230	0	181	49	0
50.0204	Fiber / Textiles / Weaving	143	2	108	28	5
50.0205	Glass	16	0	14	2	0
50.0206	Metal / Jewelry	91	0	77	14	0
50.0299	Crafts, Other	3	0	3	0	0
50.0301	Dance	956	39	732	182	3
50.0401	Design, General	2,203	173	1,811	219	0
50.0402	Graphic Design	2,710	821	1,855	34	0
50.0403	Illustration Design	616	48	561	7	0
50.0404	Industrial Design	595	97	486	12	0
50.0405	Theater Design	104	12	68	24	0
50.0499	Design, Other	385	6	341	38	0
50.0501	Dramatic Arts	6,397	165	4,993	1,153	86
50.0601	Film Arts, General	457	19	401	37	0
50.0602	Cinematography / Film	913	10	707	191	5
50.0603	Film Animation	39	0	30	9	0
50.0605	Photography	1,167	208	860	99	0
50.0606	Video	226	179	44	3	0
50.0699	Film Arts, Other	126	4	80	42	0
50.0701	Fine Arts, General	14,474	1,000	11,854	1,593	27
50.0702	Art Conservation	41	4	18	19	0
50.0703	Art History and Appreciation	3,149	32	2,546	470	101
50.0704	Arts Management	163	2	95	66	0
50.0705	Drawing	230	9	197	24	0
50.0706	Intermedia	107	0	106	1	0
50.0708	Painting	982	15	751	216	0
50.0709	Sculpture	261	3	202	56	0
50.0710	Printmaking	124	0	93	31	0
50.0799	Fine Arts, Other	2,752	99	2,196	435	22
50.0901	Music, General	5,105	410	3,475	979	241
50.0902	Music History and Appreciation	158	0	63	58	37
50.0903	Music Performance	4,407	96	2,481	1,663	167

See footnotes at end of appendix.

Appendix E.--Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1990-91--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
50.0904	Music Theory and Composition	471	7	217	190	57
50.0999	Music, Other	1,516	321	753	377	65
50.9999	Visual and Performing Arts, Other	1,675	1,029	565	75	6
95.0000	Undesignated Fields	42,218	19,690	13,258	8,523	747

NOTE.--Data represent programs, not organizational units within institutions.

* Total excludes first-professional degrees.

** Includes degrees reported in undesignated fields which are not included in the Tables 1 through 8 of this report.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey 1990-91 and "Consolidated" survey 1991.

ISBN 0-16-041886-0

United States
Department of Education
Washington, D.C. 20208–5652

Official Business
Penalty for Private Use, $300

Postage and Fees Paid
U.S. Department of Education
Permit No. G–17

FOURTH CLASS BOOK RATE

BEST COPY AVAILABLE